

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 36 South, Range 13 West

55	54	54	54	53	53	
55	121	108	101	93	83	24
119	119	107	100	92	86	2
	118	107	99	92	81	12
117	116	106	99	91	85	23
30	" 115 "	105 "	98	91	80	22
115	114	105	97	90	84	21
28	" 113 "	104 "	97	89	80	20
113	112	103	96	89	84	19
27	" 111 "	103 "	95	88	79	18
110	109	102	95	87	83	17
26	" 110 "	102 "	97	87	78	16
66	66					15

Meanders Page.....

234

PRELIMINARY OATHS OF ASSISTANTS.

We, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 190 }



We, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 190 }



We, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 190 }



BOOK A-356

INDEX DIAGRAM.

Township 35 S., Range 15 W.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	170 13 156
10	20	21	22	23	169 183 24 155
30	29	28	27	26	169 25 154
31	32	33	34	35	168 181 36 153

Meanders Page

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....., Chairman.

....., Chairman.

Subscribed and sworn to before me this }
day of 190 }


WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of 190 }


WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of 190 }


I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of 190 }


BOOK A-356

INDEX DIAGRAM.

Township 35 S., Range 14 W.

6	5	4	3	2	1
281	281	280			
305	258	243 269	280		
256	255	241	280	279	279
254	254	240 269	295	230	232
253	252	239	283	239	221
251	238	294	228	220	24
250	249	237	232	227	219
248	236	292	225	218	25
247	246	235	231	224	217
245	234	291	223	216	216
204	203	199	198	196	

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, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 190 }



BOOK A-356

INDEX DIAGRAM.

Township 36 S., Range 15 W.

6	381	5	349	4	346	3	369	2	366	1	317
389		289				363		362		361	
7	388	8	349	9	345	10	367	11	364	12	316
387		386				345		344		344	
18	385	17	349	16		15		14		13	
384		383									
19	383	20	348	21		22		23		24	
382		380		348							
80	379	20	372	28	347	27		26		25	
378		376		371							
31	375	32	373	33	347	34		35		36	
331		329		327							

Meanders Page

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....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 190 }



BOOK A-356

INDEX DIAGRAM.

Township 32 S., Range 14 W.							
442	443	444	440	439	438		
436 6	495 5	483 4	475 3	468 2	457 1	409	
494	493	482	474	467	461		
435 7	492 8	481 9	474 10	466 11	457 12	408	
491	491	481	473	466	460		
494 18	490 17	480 16	472 15	465 14	456 13	407	
489	488	479	472	465	460		
433							
424 10	488 20	478 21	471 22	464 23	455 24	407	408
487	486	478	471	463	459		
423 30	485 29	477 28	470 27	463 26	455 25	406	
485	484	477	469	462	458		
423 31	483 32	476 33	469 34	462 35	454 36	406	
422	423	421	421	420	420		

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE..... and.....

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....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of 190 }
.....



WE..... and.....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of 190 }
.....



WE..... and.....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of 190 }
.....



I....., do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of 190 }
.....



BOOK A-356

" S "

FILED

DEC 31 1909

X-3-P.

FIELD NOTES

RE
OF THE SURVEY OF THE

EAST and WEST BOUNDARY

of

TOWNSHIP NO. 35 South, RANGE NO. 13 West,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced August 1, 1909

Survey completed August 4, 1909

6-161

R. C. B. 6-04-23'
 " W. 3-79-00'
 10-03-23

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley, Chainman

Claude L. Heist, "

W. Warren Stratton Moundman

Sterling Wright, "

Joseph D. Foster, Axman

Frank C. Osgood,

Rodney B. Shelley, Flagman

For preliminary affidavits see book "A" T. 35 S., R. 17 W.

6-151

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 18 West.

6	5	4	3	2	1	10	
7	8	9	10	11	12	9	
16	18	17	16	15	14	13	8
14	10	20	21	22	23	24	7
13	30	29	28	27	26	25	6
12	31	32	33	34	35	36	4

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

John, Chainman.

John, Chainman.

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

John, Moundman.

John, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

John, Axman.

John, Axman.

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

John, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

Survey commenced, August 1, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors, then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps.34 and 35 S., Rs.12 and 13 W., which is a volcanic stone, 4x8x4 ins. above ground, marked and witnessed as described by the surveyor general in approximate latitude $37^{\circ}49'N.$, longitude $113^{\circ}13'W.$; I set off $37^{\circ}49'N.$, on lat.arc, $18^{\circ}01'N.$, on decl. arc, and at 4h.06m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

At 10h. 51m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg, driven in the ground, 5 chs.N. of my station.

August, 1, 1909

August 2: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7h.06m., a.m., l.m.t., I set off $37^{\circ}49'N.$, on lat.arc, $17^{\circ}52'N.$, on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation.

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

The solar apparatus, by p.m. and a.m. observations, defines positions for meridian, respectively about $0'21''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.30m., a.m., is N. $15^{\circ}55'W.$, the angle thus determined gives the mag.decl. $15^{\circ}55' E.$

From the Tp.cor.already described, I run

South, retracing bet.secs.1 and 6.

40.44 Fall 21 lks.E. of the $\frac{1}{4}$ sec.cor. which is a lava stone, 8x8x6 ins. above ground, marked as described by the surveyor general, with no accessories.

I continue on same line and at

80.65 The cor.of secs.1-6-7 and 12, which is a granite stone, 7x8x6 ins. above the ground, marked and witnessed as described by the surveyor general bears W., 42 lks.dist. The course of this line is therefore S. $0^{\circ}18'W.$, and the dist. 80.65 chs.

South retracing bet.secs.7 and 12.

At 40.00 chs.no trace can be found of the $\frac{1}{4}$ sec.cor. and at 80.00 chs. no trace can be found of the cor.of secs.7-12-13 and 18, I continue my line and at 123.33 chs., fall 269 lks.W. of the $\frac{1}{4}$ sec.cor.bet.secs.13 and 18 which is a granite stone, 7x8x6 ins. above ground, marked as described by the surveyor general with no accessories. The course of this line is therefore S. $1^{\circ}15'E.$ and the distance 123.36 chs.

The proportionate distance for each 40.00 chs. for the re-establishement of the missing cors.is 41.12 chs.

From the $\frac{1}{4}$ sec.cor.bet.secs.13 and 18, I run

South, retracing bet.secs.13 and 18.

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

- CHAIRS
- 41.07 Fall 54 lks.E. of the cor.of secs.13-18-19 and 24, which is a sandstone, 8x8x4 ins. above ground, with no accessories. The course of this line is therefore S.0°45'W., and the distance 41.07 chs.
-
- South, retracing bet.secs.19 and 24.
- 41.09 Fall 90 lks.E. of the $\frac{1}{4}$ sec.cor. which is a sandstone, 5x11x2 $\frac{1}{2}$ ins. above ground, marked as described by the surveyor general, with no accessories. The course of this line is therefore S.1°15'W., and the distance 41.10 chs.
- I offset over the $\frac{1}{4}$ sec.cor. and continue south
- 40.23 Fall 30 lks.E. of the cor.of secs.19-24-25 and 30, which is a sandstone, 5x10x2 ins. above ground, marked as described by the surveyor general with no accessories. The course of this line is therefore S.0°26'W., and the distance 40.23 chs.
- August 2: At this cor.I set off 17°48'N., on decl.arc, and at 0h.06m., p.m., 1.m.t., observe the sun on the meridian, the resulting lat.is 37°45'N.
-
- South, retracing bet.secs.25 and 30.
- 41.72 Fall 42 lks.E. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 12x12x6 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore S.0°35'W., and the distance 41.72 chs.
- I offset over the $\frac{1}{4}$ sec.cor. and continue south
- 41.19 Fall 75 lks.E. of the cor.of secs.25-30-31 and 36, which is a granite stone, 10x14x4 ins. above ground, marked as described by the surveyor general, with no accessories. The course of this line is therefore S.1°03'W., and the distance 41.20 chs.

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

CONTINUATION

South, retracing bet. secs. 31 and 36.

40.00 No trace can be found of the $\frac{1}{4}$ sec. cor.

I continue my line and at

74.35 Fall 9.19 chs. west of the stan.cor. of Tps. 35 S., Rs. 12 and 13 W., which is a granite stone, 8x8x6 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N.7°03'W., and the distance 74.90 chs.

The east boundary of this township is therefore out of limits for course and distance and several corners are missing; there being subdivisions dependent on this line; therefore resurvey this line, to set the missing cors. and to set cors. for T.35 S., R.13 W.

August 2, 1909

August 3: At 7h.06m., a.m., l.m.t., I set off 37°43'N., on lat. arc, 17°37'N., on decl. arc, and determine a meridian with the solar at the stan.cor. of Tps. 35 S., Rs. 12 and 13 W., on the 7th. Standard Parallel South, heretofore described.

Thence I run

N.7°03'W., on E. Bdy. of sec. 36.

Ascend abruptly over rocky and mountainous land, through scattering timber.

19.00 Top of rocky ridge, bears NW. and SE.

Abrupt descent along steep west slope.

37.45 Proportionate measurement, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor. for sec. 31, T.35 S R. 12 W., marked on brass cap, $\frac{1}{2}$ S 31 on E. half, from whichA pinon, 14 ins. diam., bears N.73°E., 45 lks. dist., marked $\frac{1}{4}$ S 31 BT.and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Pits impracticable.

RESURVEY OF THE EAST BOUNDARY OF T. 35 S., R. 13 W.

CHAINS		See Notes Boun Page
40.30	A northing of 40.00 chs. Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth, for $\frac{1}{4}$ sec. cor. for sec. 36, T. 35 S R. 13 W. marked on brass cap, $\frac{1}{4}$ S 36 on W. half, from which A cedar, 12 ins. diam., bears N. 34° W., 46 lks. dist., marked $\frac{1}{4}$ S 36 BT. and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.	
43.50	Hollow, 75 ft. deep, course NW. Ascend.	
56.00	Rocky spur, projects NW. Descend.	
74.90	The cor. of secs. 25-30-31 and 36, heretofore described. I destroy all marks on this cor. pertaining to R. 13 W., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Pits impracticable.	
	Thence N. 1° 03' E.	
80.57	A northing of 80.00 chs. Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for cor. of secs. 25 and 36, T. 35 S R. 13 W., marked on brass cap, T 35 S on W. half, R 13 W S 25 in NW., and S 36 in SW. quadrant, from which A pinon, 12 ins. diam., bears S 31° W., 180 lks. dist., marked T 35 S R 13 W S 36 BT. A cedar, 4 ins. diam., bears N. 40° W., 130 lks. dist., marked T 35 S R 13 W S 25 BT. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous. Soil, rocky, 3rd. and 4th. rate.	

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS	
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.
	N.1°03'F., on E. bdy of sec. 25.
	Descend over rocky and mountainous land, along west slope, through scattering timber.
35.53	Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30, heretofore described.
	I destroy all marks on this cor. pertaining to R.13 W., leaving it as the $\frac{1}{4}$ sec. cor. for sec. 30, T.35 S., R.12 W. Thence N.0°35'E.
40.01	A northing of 40.00 chs.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. for sec. 25, T.35 S., R.13 W., marked on brass cap $\frac{1}{4}$ S 25 on W. half, from which
	A cedar, 8 ins. diam., bears S.15°W., 131 lks. dist., marked $\frac{1}{4}$ S 25 BT.
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
45.00	Hollow, 100 ft. deep, course W.
	Abrupt ascent.
48.00	Spur, projects W.
	Abrupt descent.
59.00	Leave mountainous land, bears NE. and SW.
	Leave timber.
	Descend over rolling land.
77.25	Intersect the cor. of secs. 19-24-25 and 30, heretofore described.
	I destroy all marks on this cor. pertaining to R.13 W., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	Pits impracticable.
	Thence N.0°26'E.
80.01	A northing of 80.00 chs.
	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 24 and 25, T.35 S. R.13 W., marked

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

on brass cap T 35 S on N.half,
 R 13 W S 24 in NW., and
 S 25 in SW.quadrant, dig pits, 24x24x12 ins., in each
 sec., 6 ft.dist., and raise a mound of earth, 4 ft.base,
 2 ft.high, W.of cor.
 Land, mountainous and rolling.
 Soil, rocky on 59.00 chs.
 balance , sandy, 2nd.rate.
 Timber, cedar and pinon.
 Mountainous land on 59.00 chs.

N.0°26'E., on E.bdy.of sec . 24.

Descend over rolling land, through sparse undergrowth.

7.100 Road from Iron Springs to Desert Mound, bears NE.and SW.
 37.47 Intersect the $\frac{1}{4}$ sec.cor.betsecs.19 and 24, heretofore
 described.
 I destroy all marks on this cor.that pertain to R.13 W.
 leaving it for the $\frac{1}{4}$ sec.cor.for sec.19,T.35 S.,R.12 W.
 dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist., and
 raise a mound of earth,3 $\frac{1}{2}$ ft.base,1 $\frac{1}{2}$ ft.high, E.of cor.

Thence N.1°15'E. with continuous chaining.
 40.00 Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,
 for $\frac{1}{4}$ sec.cor.for sec.24,T.35 S.,R.13 W.,marked on brass
 cap, $\frac{1}{4}$ S 24 on W.half,dig pits,18x18x12 ins.,N.and S.of
 post,3 ft.dist., and raise a mound of earth,3 $\frac{1}{2}$ ft.base,
 1 $\frac{1}{2}$ ft.high,W.of cor.

78.57 Intersect the cor.of secs.13-18-19 and 24, heretofore
 described.

I destroy all marks on this cor.that pertain to R.13 W.
 leaving it for the cor.of secs.18 and 19,T.35 S.,R.12 W.
 dig pits,24x24x12 ins.,in each sec.,6 ft.dist., and raise
 a mound of earth,4 ft.base,2 ft.high,E.of cor.

RESURVEY OF THE EAST BOUNDARY OF T. 35 S., R. 13 W.

CHAINS	
80.01	<p>Thence N.$0^{\circ}45' E.$, with continuous chaining.</p> <p>A northing of 80.00 chs.</p> <p>Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for cor. of secs. 13 and 24, T. 35 S., R. 13 W., marked on brass cap T 35 S on N. half,</p> <p>R 13 W S 13 in NW., and S 24 in SW.</p> <p>quadrant., dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rolling,</p> <p>Soil, sandy, 2nd. rate.</p> <p>No timber.</p> <p>Undergrowth, sage brush.</p> <p>August 3: At this cor. I set off $17^{\circ}33' N.$, on decl. arc, and at 0h.06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $37^{\circ}46' N.$</p>
9.90	<p>N.$0^{\circ}45' E.$, on E. bdy. of sec. 13.</p> <p>Descend over rolling land, through sparse undergrowth.</p> <p>Road from Iron Springs to Antelope Springs, bears NW. and SE.</p>
39.63	<p>Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18, heretofore described.</p> <p>I destroy all marks on this cor. pertaining to R. 13 W., leaving it for the $\frac{1}{4}$ sec. cor. for sec. 18, T. 35 S., R. 13 W.</p> <p>dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, E. of cor.</p>
40.00	<p>Thence N.$1^{\circ}15' W.$, with continuous chaining.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 13, T. 35 S., R. 13 W., marked on brass cap $\frac{1}{4}$ S 13 on W. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS	
80.01	A northing of 80.00 chs. Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for cor. of secs. 12 and 13, T.35 S., R.13 W., marked on brass cap, T 35 S on N.half, R 13 W S 12 in NW., S 13 in SW.quadrant, dig pits, 24x24x12 ins., in each sec., 6 ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor. Land, rolling. Soil, sandy, 2nd.rate. No timber. Undergrowth, sage brush.
0.74	N.1°15'W., on E.bdy.of sec.12. Descend over rolling land, through sparse undergrowth. Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for re-established cor.of secs. 7 and 18, T.35 S., R.12 W. marked on brass cap, T 35 S on N.half, R 12 W S 7 in NE., and S 18 in SE.quadrant, dig pits, 24x24x12 ins., in each sec., 6 ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, E.of cor..
87.05	Irrigating ditch, 6 lks.wide, 2 ft.deep, course NW.
40.01	A northing of 40.00 chs.
0.50	Set an iron post, 3 ft. long, 1 in.dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor. for sec.12, T.35 S., R.13 W., marked on brass cap $\frac{1}{4}$ S 12 on W.half, dig pits, 18x18x12 ins., N. and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor..
41.86	Set an iron post, 3 ft. long, 1 in.dia., 26 ins. in the ground for re-established $\frac{1}{4}$ sec.cor. for sec.7, T.35 S., R.12 W., marked on brass cap, $\frac{1}{4}$ S 7 on W.half, dig pits, 18x18x12 ins.N. and S.of post, 3 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, E.of cor..
57.10	Dry bed of Iron Springs Creek, course NW.

See C
Notes E
Pages

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS	
	Ascend over rolling land.
72.50	Road from Cedar City to Lund, bears NW. and SE.
73.00	Telephone line, bears NW. and SE.
80.02	A northing of 80.00 chs. Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for cor. of secs. 1 and 12, T.35 S., R.13 W., marked on brass cap T.35 S on N. half, R.13 W S 1 in NW., and S 12 in SW. quadrant, dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
	Land, rolling.
	Soil, sandy, 2nd. rate.
	No timber.
	Undergrowth, sage brush.
	<hr/>
	N. 1°15' W., on E. bdy. of sec. 1.
	Ascend over rolling land, through sparse undergrowth.
2.96	Intersect the cor. of secs. 1-2-11 and 12, heretofore described. I destroy all marks on this cor. pertaining to R.13 W., leaving it for the cor. of secs. 6 and 7, T.35 S., R.12 W., dig pits, 24x24x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
40.00	Thence N. 0°18' E., with continuous chaining. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. for sec. 1, T.35 S., R.13 W., marked on brass cap, $\frac{1}{4}$ S. 1 on W. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
43.17	Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 6, heretofore described. I destroy all marks for R.13 W., leaving it for the $\frac{1}{4}$ sec. cor. of sec. 6, T.35 S., R.12 W., dig pits, 18x18x12 ins..

RESURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

- 83.61 Intersect the cor. of Tps. 33 and 34 S., Rs. 12 and 13 W.
Land, rolling.
Soil, sandy 2nd. and 3rd. rate.
No timber.
Undergrowth. sage brush.

August 3, 1909

RESURVEY OF THE WEST BOUNDARY OF T.35 S., R.13 W.

August 4: At 7h.06m., a.m., l.m.t., I set off $37^{\circ}47'N.$
on lat.arc, $17^{\circ}21'N.$, on decl.arc, and determine a meridian
with the solar at the cor. of secs. 7-12-13 and 18, on the
W.bdy. of T.35 S., R.13 W., which is a granite stone, $24x6x6$
ins., firmly set in a mound of stone, marked and witnessed
as described by the surveyor general.

Thence I run

South retracing bet. secs. 13 and 18.

At 40.76 intersect the $\frac{1}{4}$ sec.cor. bet. secs. 13 and 18 and
at 80.54 the cor. of secs. 13-18-19 and 24, bears W., 18 lks.
dist., I continue my line south and find the line out of
limits for course and distance and at 319.00 chs., fall
64 lks. E. of the stan.cor. of Tps. 35 S., Rs. 13 and 14 W.,
which is a granite stone, $10x8x6$. ins. above ground, marked
and witnessed as described by the surveyor general.

The course of this line is therefore $S.0^{\circ}07'W.$

This line being out of limits for course and distance
and there being one cor. missing, there being no
subdivisions dependent upon the line, I re-establish
this portion of the W.bdy.

August 4: At the stan.cor. of Tps. 35 S., Rs. 13 and 14 W.,

RESURVEY OF THE WEST BOUNDARY OF T.35 S., R.13 W.

CHAINS

I set off $17^{\circ}17'N.$, on decl.arc, and at Oh.06m., p.m., I.m.t.
observe the sun on the meridian, the resulting lat. is
 $37^{\circ}43'N.$

From the stan.cor.of Tps.35 S., Rs.13 and 14 W., I run
N.0 $^{\circ}07'E.$, bet.secs.31 and 36.

Ascend over rolling land, through dense sage brush.

20.00 Begin ascent over mountainous land, bearing NE. and SW.
Enter scattering timber.

38.00 Spur, projects E.
The old $\frac{1}{4}$ sec.cor.bears W., 1.00 ch.dist.
Descend.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground,
for re-established $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4} S 36$ on W.half and S 31 on E.half, from which
A cedar, 8 ins.diam., bears S.16 $^{\circ}E.$, 20 lks.dist.,
marked $\frac{1}{4} S 31$ BT.
A cedar, 7 ins.diam., bears N.56 $^{\circ}W.$, 60 lks.dist., marked
 $\frac{1}{4} S 36$ BT.

I destroy all traces of the old $\frac{1}{4}$ sec.cor.

41.00 Hollow, 50 ft.deep, course E.

Abrupt ascent.

52.00 Rocky ridge, bears NE. and SW.
Abrupt descent.

66.00 Enter bottom of wide hollow, 100 ft.deep, course NE.
Over rolling land.

78.15 The old cor.of secs.25-30-31 and 36.bears W. 138 lks.

80.00 Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the
ground, for re-established cor.of secs.25-30-31 and 36,
marked on brass cap, T 35.S on N.half,
R 14 W S 25 in NW.,
R 13 W S 30 in NE.,
S 31 in SE, and
S 36 in SW.quadrant, from which

RESURVEY OF THE WEST BOUNDARY OF T.35 S., R.13 W.

CHAINS	
	A cedar, 5 ins. diam., bears N.86°E., 78 lks.dist., marked T 35 S R 13 W S 30 BT.
	A cedar, 6 ins. diam., bears S.2°30'E., 68 lks.dist., marked T 35 S R 13 W S 31 BT.
	A cedar, 5 ins. diam., bears S.63°W., 161 lks.dist., marked T 35 S R 14 W S 36 BT.
	A cedar, 5 ins. diam., bears N.63°W., 240 lks.dist., marked T 35 S R 14 W S 25 BT.
	I destroy all traces of the old sec.cor.
	Land, rolling and mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Undergrowth, sage brush.
	Mountainous land or land covered with dense undergrowth on 80.00 chs.
	N.0°07'E., betsecs. 25 and 30.
	In bottom of hollow, course NE., through dense undergrowth and scattering timber.
16.00	Leave hollow, begin ascent over mountainous land, bearing NE. and SW.
21.00	Spur, projects NE.
	Descend.
33.00	Leave timber.
37.70	The old $\frac{1}{4}$ sec.cor., bears W.125 lks.dist.
40.00	Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 25 on W.half, S 30 on E.half, dig pits, 18x18x12 ins. N. and S. of post, 3' ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
	I destroy all traces of the old $\frac{1}{4}$ sec.cor.
41.00	Hollow, 75 ft.deep, course NE.
	Abrupt ascent.

RE-SURVEY OF THE WEST BOUNDARY OF T. 35 S., R. 13 W.

CHAINS

- 43.50 Enter scattering timber.
- 50.00 Spur, projects E.
Descend.
- 65.00 Leave timber.
- 70.00 Hollow, 100 ft. deep, course E.
Abrupt ascent.
- 78.25 The old cor. of secs. 19-24-25 and 30, bears W. 115 lks. dist.
- 80.00 Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone
and earth for re-established cor. of secs. 19-24-25 and 30,
marked on brass cap T 35 S on N. half,
R 14 W S 24 in NW.,
R 13 W S 19 in NE.,
S 30 in SE., and
S 25 in SW. quadrant, from which
A pinon, 8 ins. diam., bears S. 86° E., 112 lks. dist.,
marked T 35 S R 13 W S 30 BT.
- No other trees within limits and raise a mound of stone
2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- Pits impracticable.
- On account of natural obstacles it is impossible to set
this post over 12 ins. in the ground.
- I destroy all traces of the old sec.cor.
- Land, mountainous and rolling.
- Soil, rocky, 3rd. rate.
- Timber, cedar and pinon.
- Undergrowth, sage brush.
- Mountainous land or land covered with dense undergrowth
or 80.00 chw.
-
- N. 0°07' E., bet. secs. 19 and 24.
- Ascend over rocky and mountainous land.
- 2.75 Ridge, bears E. and W.
- Descend.
- 17.00 Enter heavy timber, bears E. and W.

RESURVEY OF THE WEST BOUNDARY OF T.35 S., R.13 W.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. dia. 26 ins. in the ground for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 24 on W.half, S 19 on E.half, from which A cedar, 10 ins. diam., bears S.26°E., 13 lks.dist., marked $\frac{1}{4}$ S 19 BT. A cedar, 9 ins. diam., bears S.32°W., 24 lks.dist., marked $\frac{1}{4}$ S 24 BT. No trace can be found of the old $\frac{1}{4}$ sec.cor.
44.00	Leave heavy timber, bears E. and W. Enter scattering timber.
54.00	Leave timber.
61.50	Hollow, 100 ft. deep, course E. Enter scattering timber. Abrupt ascent.
73.00	Leave timber.
75.00	Ridge, bears E. and W. Abrupt descent.
78.46	The old cor.of secs.13-18-19 and 24 bears W.18 lks.dist.
80.00	Set an iron post, 3 ft. long, 3 ins.dia., 24 ins.in the ground for re-established cor.of secs.13-18-19 and 24, marked on brass cap, T 35S on N.half, R 14 W S 13 in NW., R 13 W S 18 in NE., S 19 in SE., and S 24 in SW.quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor. Pits impracticable. I destroy all traces of the old sec.cor. Land, mountainous. Soil, rocky, 3rd.and 4th.rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.

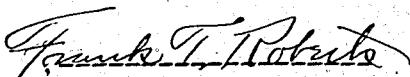
RE SURVEY OF THE WEST BOUNDARY OF T.35 S., R.13 W.

CHAINS	
	N.0°07'E., bet. secs. 13 and 18.
	Descend over rocky and mountainous land.
0.50	Hollow, 50 ft. deep, course NE.
	Ascend.
3.00	Spur, projects E.
	Descend.
17.00	Hollow, 100 ft. deep, course E.
	Abrupt ascent.
38.24	The old $\frac{1}{4}$ sec. cor. bears E. 6 lks. dist.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 13 on W. half, S. 18 on E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	I destroy all traces of old $\frac{1}{4}$ sec. cor.
44.00	Ridge, bears NE. and SW.
	Abrupt descent.
69.00	Hollow, 100 ft. deep, course NE.
	Ascend
	Enter scattering timber.
75.00	Begin ascent over granite boulders.
79.00	The cor. of secs. 7-12-13 and 18, heretofore described.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 79.00 chs.

August 4, 1909.

For General Description see Subdivisions of T.35 S.,
R.13 W.

For table of latitudes and departures see, retracement of
the 7th. Stan. Par. South.



Frank T. Roberts
U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z¹⁴" Chairman.

T.34 S., R. 12 W.

_____, Chairman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chairman.

_____, Chairman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 190_____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 34 S., R. 12 W.

_____ of the _____, meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____
}



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910

The foregoing field notes of the ^{re} survey of _____ the East and West Boundaries of _____ Township 35 South, Range 13 West of the Salt Lake Base and Meridian, Utah.

executed by _____ Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-670.

FILED

Aug 10 1910
J. H. [Signature]

2
BOOK A-356

CORRECTIVE

FIELD NOTES

To Book "B" of Original Field Notes
OF THE SURVEY OF THE

EAST BOUNDARY OF TOWNSHIP NO. 35, SOUTH,

RANGE NO. 13, WEST,

Of the 3rd Meridian, Meridian,

In the state of Wis.

AS SURVEYED BY

ERIK T. LINDSTROM, United States Deputy Surveyor,

Under his Contract No. 713, dated June 23, 1908, 1908

Survey commenced July 19, 1908, 1908

Survey completed July 23, 1908, 1908

4-670

NAMES AND DUTIES OF ASSISTANTS.

William H. DeWolfe, Chairman

William Houlden, "

William Houlden, Moundman

BOOK A-356

INDEX DIAGRAM.

Township , *Range*

6	5	4	3	2	1
7	8	9	10	11	12
16	17	18	15	14	13
19	20	21	22	23	24
20	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, William H. DeWolfe and William French, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we negot[ue] in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the E. bdy. of T. 35 S., R. 13 W., S.L.B.&M., in the state of Utah.

William H. DeWolfe, Chainman.
William French, Chainman.

Subscribed and sworn to before me this 29th,

day of July, 1900



Frank T. Roberts

U. S. Deputy Surveyor

We, I, William French, and do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the E. bdy. of T. 35 S., R. 13 W., S.L.B.&M., in the state of Utah.

William French, Moundman.
Moundman.

Subscribed and sworn to before me this 29th,

day of July, 1900



Frank T. Roberts

U. S. Deputy Surveyor

We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Arman.

Arman.

Subscribed and sworn to before me this

day of , 190



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

Flagman.

Subscribed and sworn to before me this

day of , 190



CORRECTIVE NOTES OF THE

SURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

Survey commenced July 29, 1910 and executed with the instrument described in book "A", of this survey. I begin at the stan.cor.of Tps.35 S.,Rs.12 and 13 W., on the 7th. Standard Parallel South, described in original field notes.

At 7h.06m., a.m., l.m.t., I set off $37^{\circ}43'N.$ on lat.arc, $18^{\circ}55'N.$, on decl.arc, and determine a meridian with the solar. Thence I run

North, retracing bet.secs.31 and 36.

33.20 Fall 8.79 chs.E. of the $\frac{1}{4}$ sec.cor. which is a granite boulder, $10 \times 7 \times 3\frac{1}{2}$ ft. above ground, marked $\frac{1}{4}$ on upper face, with small mound of stone, W. of cor.

Note:

This corner does not agree with the description as furnished by the surveyor general, but it was identified by two settlers as being the recognized $\frac{1}{4}$ sec.cor.

The course of this line is therefore $N.14^{\circ}50'W.$, and the distance 34.35 chs.

41.12 Fall 42 lks.E. of the cor.of secs.30 and 31, T.35 S., R. 12 W., described in original field notes.

The course of this line is therefore $N.0^{\circ}35'W.$, and the distance 41.12 chs.

I begin at the stan.cor.of Tps.35 S.,Rs.12 and 13 W., and run

$N.14^{\circ}50' W.$, on E.bdy.of sec.36.

34.35 Intersect the $\frac{1}{4}$ sec.cor. bet.secs.31 and 36, heretofore described.

I obliterate all marks pertaining to sec.36, leaving it as the $\frac{1}{4}$ sec.cor. for sec.31,T.35 S.,R.12 W., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Pits impracticable.

I destroy all traces of the re-established $\frac{1}{4}$ sec.cor.set} on original survey.

See
Notes
Page

See
Notes
Page

CORRECTIVE NOTES OF THE
SURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

CHAINS

Thence I run N.0°35'W.

41.12 A northing of 40.00 chs.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor. for sec.36, T.35 S., R.13 W., marked on brass cap, $\frac{1}{4}$ S 36 on W.half, from which

A pinon, 8 ins. diam., bears S.56°45'W., 71 lks. dist., marked $\frac{1}{4}$ S 36 BT.

No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

I destroy all traces of the $\frac{1}{4}$ sec.cor. for sec.36, set on original survey.

75.47 A northing of 74.32 chs.

The cor.of secs.30 and 31, T.35 S., R.12 W., described in the original field notes.

Thence on original course, N.1°03'E.

81.15 A northing of 80.00 chs., the cor.of secs.25 and 30, T.35 S. R.13 W., described in original survey.

There is no change of topography on this line.

At the cor.of secs.24 and 25, on the E.bdy.of T.35 S., R.13 W., I remark the brass cap as follows:

T 35 S.on N.half,

R.13 W. S 24 in NW. and

S 25 in SW.quadrant.

From the $\frac{1}{4}$ sec.cor.of sec.18, T.35 S., R.12 W., on the E. bdy.of T.35 S., R.13 W., described in original field notes,

I run

North, retracing on W.bdy.of sec.18.

42.53 Fall 5.87 chs.E.of the cor.of secs.7-12-13 and 18, which is a conglomerate stone, 19x5x4 ins., lying on top of the ground, marked as described by the surveyor general, with no accessories.

The course of this line is therefore N.5°12'W., and the distance 42.71 chs.

CORRECTIVE NOTES OF THE

SURVEY OF THE EAST BOUNDARY OF T.35 S., R.13 W.

Original
Notes Book 5
Page 9

CHAINS	
	North, retracing on W.bdy.of sec.7.
39.67	Fall 2.08 chs.W.of the $\frac{1}{4}$ sec.cor.for sec.7, T.35 S., R.12 W., which is a limestone, 8x8x7 ins.above ground, marked and witnessed as described by the surveyor general. Note: This cor.is described in the original field notes as being re-established by setting an iron post, but this is a mistake in the original field notes as the original $\frac{1}{4}$ sec.cor.was found at the time of making the original survey. The course of this line is therefore N.3°00'E., and the distance 39.72 chs. July 29: At this cor.I set off 18°51'N.on decl.arc, and at 0h.06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat.is 37°47'N.
	From the cor.of secs.13 and 24, on the E.bdy.of T.35 S., R.13 W.,described in original field notes,I run N.0°45'E., on E.bdy.of sec.13.
39.63	The $\frac{1}{4}$ sec.cor.for sec.18, T.35 S., R.12 W., described in original field notes. Thence I run N.5°12'W.
40.00	Set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground, for $\frac{1}{4}$ sec.cor., for sec.13, T.35 S., R.13 W.,marked on brass cap, $\frac{1}{4}$ S 13 on W.half,dig pits,18x18x12 ins.,N.and S.of post, 3 ft.dist.,and raise a mound of earth,3 $\frac{1}{2}$ ft.base,1 $\frac{1}{2}$ ft. high, W.of cor. I destroy all traces of the $\frac{1}{4}$ sec.cor.set for sec.13 on original survey.
80.17	A northing of 80.00 chs. Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground, for cor.of secs.12 and 13, T.35 S., R.13 W.,marked on brass cap,T.35 S.,on N:half, R 13 W S 12 in NW.,and S 13 in SW.quadrant, dig pits, 24x24x12 ins.,in each

-4-

CORRECTIVE NOTES OF THE
SIGHTS OF THE EAST BOUNDARY OF T. 35 S., R. 13 W.

REVIEW

sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

I destroy all traces of the cor. of secs. 12 and 13, set on original survey.

There is no change of topography on this line.

N. 6° 12'. W., on N. bdy. of sec. 12.

2. 17 The cor. of secs. 7-12-13 and 18, heretofore described.

This cor. being below the prescribed dimensions, I reset the same stone, a conglomerate stone, 19x5x4 ins., 13 ins. in the ground, along with an iron post, 3 ft. long, 3 in. diam., 24 ins. in the ground, for re-established cor. of secs. 7 and 18, marked on brass cap.

T. 35 S. on N. half,

R. 12 W. S. 7 in NE., and

S. 18 in NW. quadrant, dig pits, 24x24x12 ins. in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

The re-established cor. obliterates all traces of the old cor.

Thence I run N. 3° 00' W.

30.07 A nothing of 40.00 chain.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for 4 sec. cor. for sec. 12, marked on brass cap, $\frac{1}{2}$ S. 12 on N. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. I destroy all traces of the original $\frac{1}{2}$ sec. cor. set on original survey.

41.00 The $\frac{1}{2}$ sec. cor. for sec. 7, 2.35 R., N. 12 W. heretofore described.

Thence on original course, N. 1° 15' W.

49.00 The cor. of secs. 1 and 12, T. 35 S., R. 13 W., described in original field notes.

There is no change of topography on this line.

CORRECTIVE NOTES OF THE

SURVEY OF THE EAST BOUNDARY OF T. 35 S., R. 13 W.

July 29, 1910.

Frank T. Roberts

U. S. Deputy Surveyor

Volume

R0356

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of corrective the E. bdy. of T. 35 S., R. 13 W., S. I. B. & M. in the state of Utah showing the respective capacities in which they acted:

William H. DeWolfe, Chainman.

William Houchen, Chainman.

William Houchen, Moundman.

", Moundman.

", Axman.

", Axman.

", Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts,

United States Deputy Surveyor, in surveying all those parts or portions of the E. bdy. of T. 35 S., R. 13 W.,

of the Salt Lake

Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

William H. De Wolfe, Chainman.

William Houchen, Chainman.

William Houchen, Moundman.

", Moundman.

", Axman.

", Axman.

", Flagman.

Subscribed and sworn to before me this 29th }
day of July, 1900 }

Frank T. Roberts

U. S. Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of the 5th day of April, 1909, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the E. bdy. of T. 35 S., R. 13 W..

of the Salt Lake Base
and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said Frank T. Roberts, and sworn to before me,

this 10th day of August, 1910

U. S. Surveyor-General
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, September 8, 1910, ~~REX~~

The foregoing field notes of the survey of the East Boundary of T. 35 S., R. 13 W., of the Salt Lake Base and Meridian, Utah.

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor-General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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" T "
BOOK A-356

FILED

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FIELD NOTES

X.J.R.

RETRACEMENT
OF THE SURVEY OF THE

N. O. R. T. H. and W. E. S. T. BOUNDARY

of

TOWNSHIP NO. 35 SOUTH, RANGE NO. 13 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Retracement Survey commenced August 5, 1909

Retracement Survey completed August 5, 1909

6-101

Ret N.R.B. 5-73-53
Ret+RT " 1-79-344
7-73 09

NAMES AND DUTIES OF ASSISTANTS.

Mark V. Woolley.....Chairman

Claude L. Heist,....."

W. Warren Stratton.....Guardian

Sterling Wright....."

Joseph D. Foster.....Axman

"

Rodney R. Shelley.....Flagman

For preliminary affidavits see book "A" T. 35 S., R. 17 W.

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 13 West,

3 3	2 6	2 5	2 4	1 3	1 2	
4 7		8 9		10	11	4 12
18	17		16	15	14	13
19	20	21		22	23	24
30	29	28		27	26	25
31	32	33		34	35	36

Meanders Page

2
PRELIMINARY OATHS OF ASSISTANTS.

WE, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chairman.

, Chairman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 190 }



RETRACED OF THE NORTH BOUNDARY OF T.35 S., R.13 W.

CHAINS	
	Survey commenced August 5, 1909 and executed with the instrument described in book "A", of this survey.
39.70	I know from recent observations made August 1 and 2, 1909 and recorded in book "S" of this survey, at the cor. of Tps. 34 and 35 S., Rs. 12 and 13 W., heretofore described.
39.90	that the instrument is in adjustment.
39.90	Thence I run S.89°15'W., retracing bet. secs. 1 and 36.
39.90	Road, from Cedar City to Lund, bears NW. and SE.
40.07	Telephone line, bears NW. and SE.
40.07	Road from Cedar City to Lund, bears NW. and SW.
40.07	Fall 10 lks. S. of the $\frac{1}{4}$ sec. cor. bet. secs. 1 and 36, which is a granite stone, 12x6x4 ins. above ground, marked and witnessed as described by the surveyor general.
	This cor. is set at the cor. of a wire fence bearing E. and S. from this cor.
	The course of this line is therefore S.89°24'W. and the distance 40.07 chs.
20.75	I offset over the $\frac{1}{4}$ sec. cor. and continue S.89°15'W.
40.07	Cor. of fence, bears E. and S.
40.07	Fall 104 lks. S. of the cor. of secs. 1-2-35 and 36, which is a sandstone, 6x7x5 ins. above ground, marked and witnessed as described by the surveyor general.
	The course of this line is therefore N.89°16'W., and the distance 40.07 chs.
	S.89°15'W., retracing bet. secs. 2 and 35.
19.25	Road from Cedar City to Lund, bears NW. and SE.
40.17	Fall 88 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 35, which is a granite stone, 6x10x4 ins. above ground, marked and witnessed as described by the surveyor general.
	The course of this line is therefore S.88°00'W., and the distance is 40.19 chs.
	I offset over the $\frac{1}{4}$ sec. cor. and continue S.89°15'W.
40.13	Fall 10 lks. S. of the cor. of secs. 2-3-34 and 35, which is a sandstone, 7x9x5 ins. above the ground, marked and witnessed as described by the surveyor general.
	The course of this line is therefore S.89°24'W., and the

RETRACEMENT OF THE NORTH BOUNDARY OF T.35 S., R.13 W.

CHAINS

distance 40.13 chs.

40.13

S.89°15'W., retracing bet. secs. 3 and 34.

Intersect the $\frac{1}{4}$ sec.cor.bet.secs.3 and 34, which is a sandstone, 6x9x5 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore S.89°15'W.

I continue on same line

40.09

Fall 9 lks.S. of the cor.of secs.3-4-33 and 34, which is a granite stone, 6x8x5 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore S.89°23'W., and the distance 40.09 chs.

S.89°15'W., retracing bet.secs.4 and 33.

40.04

Fall 17 lks.S. of the $\frac{1}{4}$ sec.cor.bet.secs.4 and 33 , which is a granite stone, 8x9x2 ins. above ground, marked and witnessed as described by the surveyor general.

I continue on same line

80.04

Fall 35 lks.S. of the cor.of secs.4-5-32 and 33, which is a granite stone, 6x9x8 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore S.89°30'W., and the distance 80.04 chs.

August 5: At this cor.I set off 17°01'N., on decl.arc, and at Oh.06' p.m., 1.m.t., observe the sun on the meridian, the resulting lat. is 37°49'N.

S.89°15'W., retracing bet.secs.5 and 32.

40.00

Fall 10 lks.S. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 4x8x7 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore S.89°24'W., and the distance 40.00 chs.

RETRACEMENT OF THE NORTH BOUNDARY OF T.35 S., R.13 W.

CHAINS	
	I offset over the $\frac{1}{4}$ sec.cor. and continue S.89°15'W.
39.90	Fall 33 lks.S. of the cor.of secs.5-6-31 and 32, which is a granite stone, 6x10x4 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore S.89°43'W., and the distance 39.90 chs.
	S.89°15'W., retracing bet.secs.6 and 31.
40.00	Intersect the $\frac{1}{4}$ sec.cor. which is a granite stone, 7x8x7 ins above ground, marked and witnessed as described by the surveyor general. I continue on same line
72.95	Intersect the cor.of Tps.34 and 35 S., Rs.13 and 14 W., which is a granite stone, 6x12x4 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore S.89°15'W.

RETRACEMENT OF THE WEST BOUNDARY OF T.35 S., R.13 W.

	From the cor.of Tps.34 and 35 S., Rs.13 and 14 W., I run
	South, retracing bet.secs.1 and 6.
40.00	Fall 35 lks.E. of the $\frac{1}{4}$ sec.cor.bet.secs.1 and 6, which is a granite stone, 8x6x6 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore S.0°30'W. and the distance 40.00 chs.
	I offset over the $\frac{1}{4}$ sec.cor. and continue south
40.00	Intersec t the cor.of secs.1-6-7 and 12, which is a granite stone, 10x12x6 ins. above ground, marked and witnessed as described by the surveyor general.

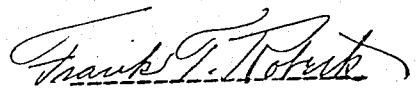
RETRACEMENT OF THE NORTH BOUNDARY OF T.35 S., R.13 W.

CHAINS	
40.04	South, retracing bet. secs. 7 and 13. Fall 7 lks. E. of the $\frac{1}{4}$ sec. cor. which is a granite stone, 12x8x6 ins., in mound of stone, marked and witnessed as described by the surveyor general. I continue south on same line
79.54	Fall 14 lks. E. of the cor. of secs. 7-12-13 and 18, heretofore described. The course of this line is therefore S. 0° 06' W., and the distance 79.54 chs.

August 5, 1909

For General Description see Subdivisions of

T.35 S., R.13 W.

For table of latitudes and departures see retracement of
7th Stan. Par. South, through R.13 W.
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z" ¹⁴, Chainman.

T. 34 S., R. 12 W.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____

day of _____, 190 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from bearing date of the United States Surveyor General for day of 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

For final oath of deputy see book "Z" T. 34 S., R. 12 W.

..... of the meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

....., United States Deputy Surveyor.

Subscribed by said ; and sworn to before me }
this day of 190 }

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O SEAL O
OOOOOO

APPROVAL.

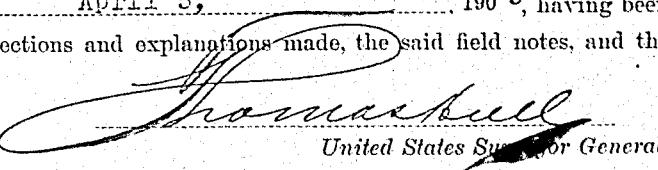
OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, April 21, 1910.

The foregoing field notes of the survey of retrace ment of the North and West Boundaries of Township 35 South, Range 15 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts

under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracement they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-356

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FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

SEVENTH STANDARD PARALLEL SOUTH,

through

TOWNSHIP NO. 35 South, RANGE NO. 13 WEST,

of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Retracement

Survey commenced August 6, 1909

Retracement

Survey completed August 7, 1909

Rev 2 03. 591

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley, Chairman.

Claude L. Heist, "

W. Warren Stratton Moundman

Sterling Wright, II, "

Joseph D. Foster, Axman

Bethany Neff, "

Rodney B. Shelley Flagman

. For preliminary affidavits see book "B" T. 35 S., R. 17 W.

6-151

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 13 West

6	5	4	8	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	20	28	27	26	25
31	32	33	34	35	36
2	2				

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 190 }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 190 }



RETRACEMENT OF THE 7TH. STANDARD PARALLEL SOUTH, through R.13 W.

CHAINS

Survey commenced August 6, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows: At the Standard corner of Trs. 35 S., Rs. 13 and 14 W., heretofore described, on the 7th Stan. Par. South, in approximate lat. $37^{\circ}43'N.$, longitude $113^{\circ}19'W.$, I set off $37^{\circ}43'N.$, on lat. arc, $16^{\circ}42'N.$, on decl. arc, and at 4h.06m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone, firmly set in the ground, 5 chs. N. of the cor. At 10h.32m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg, driven in the ground, 5 chs. N. of my station.

August 6, 1909

August 7: At 6 a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}29'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7h.06m., a.m., l.m.t., I set off $37^{\circ}43'N.$, on lat. arc, $16^{\circ}32'N.$, on decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station: this mark falls 0.4 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively, about $0'21''$ west and east of the meridian established by the Polaris observations: therefore, I conclude that the adjustments of

RETRACEMENT OF THE 7TH. STANDARD PARALLEL SOUTH, through R.13 W.

CHAINS

the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m., is N.15°55'W., the angle thus determined gives the mag.decl. 15°55'E.

From the stan.Tp.cor.already described, I run East, retracing on S.bdy.of sec.31.

0.90 No trace can be found of the closing cor.of Tps.36 S., Rs.13 and 14 W.

42.25 Intersec t the stan. $\frac{1}{4}$ sec.cor.which is a limestone, 8x8x4 ins.above ground,marked and witnessed as described by the surveyor general.

82.35 Intersect the stan.cor.of secs.31 and 32,which is a limestone, 9x12x6 ins.above ground,marked and witnessed as described by the surveyor general.

The course of this line is therefore East, and the distance 82.35 chs.

East, retracing on S.bdy.of sec.32.

No trace can be found of the closing cor.of secs.5 and 6 T 36 S., R.13 W.

240.55 Intersect the stan. $\frac{1}{4}$ sec.cor.which is a limestone, 10x6x4 ins.above ground,marked and witnessed as described by the surveyor general.

81.24 Intersect the stan.cor.of secs.32 and 33,which is a granite stone, 8x6x4 ins.above ground,marked and witnessed as described by the surveyor general.

August 6, 1909

For General Description see Subdivisions of T.35 S., R. 13 W.

BOUNDARIES OF T.35 S., R.13 W.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
7th Stan. Par. S. West,		483.59				483.59
West Bay.	N. 0° 07' E.	319.00	319.00		0.65	
	N. 0° 06' E.	79.54	79.54		0.14	
	North	40.00	40.00			
	N. 0° 30' E.	40.00	40.00		0.35	
North Bdy.	N. 89° 15' E.	72.95	0.95		72.94	
	N. 89° 43' E.	39.90	0.20		39.90	
	N. 89° 24' E.	40.00	0.42		40.00	
	N. 89° 30' E.	80.04	0.70		80.04	
	N. 89° 23' E.	40.09	0.43		40.09	
	N. 89° 15' E	40.13	0.52		40.13	
	N. 89° 24' E.	40.13	0.42		40.13	
	N. 88° 00' E.	40.19	1.40		40.17	
	S. 89° 16' E.	40.07		0.51	40.07	
	N. 89° 24' E.	40.07	0.42		40.07	
East Bdy.	S. 0° 18' W.	80.65	80.65			0.42
	S. 1° 15' E.	41.15	41.14	.90		
	S. 3° 00' W.	39.72	39.667			2.08
	S. 5° 12' E.	42.71	42.53	3.87		
	S. 0° 45' W.	41.07	41.07			0.54
	S. 1° 15' W.	41.10	41.09			0.90
	S. 0° 26' W.	40.23	40.23			0.30
	S. 0° 35' W.	41.72	41.72			0.42
	S. 1° 03' W.	41.20		41.19		0.75
	S. 0° 35' E.	41.12	41.12	.42		
	S. 14° 50' W.	34.35	34.20	8.79		
Convergency				0.56		
<hr/>						
Totals		484.00	484.12	489.22	489.00	
			484.00	489.00		
Error in lat. and dep.				0.12	.22	
<hr/>						

Frank T. Roberts
U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ~~survey of retracement of~~ Seventh Standard Parallel South, through RS.13&17W.S.L.B. & M., Utah, showing the respective capacities in which they acted:

Earl V. Woolley, Chairman.

Claude L. Heist, Chairman.

W. Warren Stratton, Moundman.

Sterling Wright, Moundman.

Joseph D. Foster, Axman.

, Axman.

Rodney B. Shelley, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts, United States Deputy Surveyor, in ~~surveying~~ all those parts or portions of the Seventh Standard Parallel South, through Ranges 13 and 17 West

of the Salt Lake

Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said ~~survey~~ has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah,

Earl V. Woolley, Chairman.

Claude L. Heist, Chairman.

W. Warren Stratton, Moundman.

Sterling Wright, Moundman.

Joseph D. Foster, Axman.

Rodney B. Shelley, Flagman.

Subscribed and sworn to before me this 7th day of August, 1909.

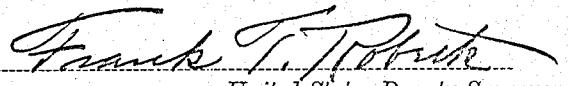
Frank T. Roberts
U.S. Deputy Surveyor.



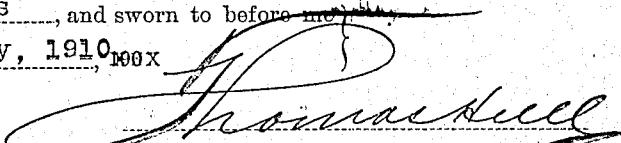
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 5th day of April, 1909 I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the retracement of the 7th Standard Parallel South through Ranges 13 and 17 W.

Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. retracement


United States Deputy Surveyor.

Subscribed by said Frank T. Roberts, and sworn to before me,
this 21 day of January, 1910,


U.S. Surveyor-General

for Utah.

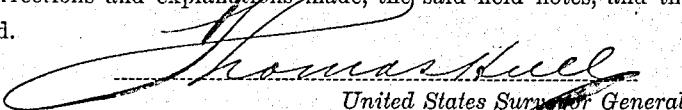
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910.

The foregoing field notes of the survey of retracement of the Seventh Standard Parallel South, through Range 13 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracments they describe, are hereby approved.


United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FILED

JAN 4 1910

" V "
BOOK A-356

FIELD NOTES

PL. S. 13.

OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 35 SOUTH, RANGE NO. 13 WEST.

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced August 7, 1909

Survey completed August 14, 1909

e-161

Books 5 & 6 99
Clay 49. 64'

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus B. Dalley, Moundman

(S)

George B. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley Flagman

For preliminary affidavits see Book "E" Tp. 35 S., R. 17 W.

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 13 West,

6	45	5	32	4	25	8	17	2	6	1
43		43		31		24		16		10
7	42	8	31	0	23	10	16	11	5	12
41		40		30		23		15		9
18	39	17	29	16	22	15	15	14	4	13
39		38		29		21		14		8
10	37	20	28	21	21	22	13	28	4	24
37		36		37		20		13		8
30	35	29	27	28	19	27	12	26	3	25
34		33		26		19		11		7
31	34	32	26	33	18	34	11	35	2	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 190_____



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190_____



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 190_____



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190_____



SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

Survey commenced, August 7, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the stan.cor. of secs. 35 and 36, on the 7th. Stan. Par. South, which is an iron stone, 8x10x9 ins. above ground, marked and witnessed as described by the surveyor general in approximate latitude $37^{\circ}43'N.$, longitude $113^{\circ}14'W.$, I set off $37^{\circ}43'N.$, on lat.arc, $16^{\circ}26'N.$, on decl. arc, and at 4h.06m., p.m., 1 m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

At 10h.27m., p.m., 1.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.N. of my station.

August 7, 1909

August 8: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7h.06m., a.m., 1.m.t., I set off $37^{\circ}43'N.$ on lat.arc, $16^{\circ}16'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'21''$ west and

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

east of the meridian established by the Polaris observations, therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m. is N.15°55'W., the angle thus determined gives the mag.decl.15°55' E.

The east boundary of the township being out of limits for course I begins at the stan.sec.cor.of secs.35 and 36, on S.bdy.of Tp., heretofore described and run

North, on sectional guide meridian,

Bet.secs.35 and 36.

On top of Desert Mound, ascend over rocky and mountainous land along west slope of rock y knoll.

- 1.00 Begin abrupt descent, bears E. and W.
Enter scattering timber.
- 10.00 Foot of abrupt descent, bears E. and W.
Gradual descent over rolling land.
- 19.00 Road from Iron Springs to Desert Mound, bears NE. and SW.
From this point a frame house, 15x15 ft.sq., which is used by the miners , uninhabited at time of survey, bears S.70°W.
- 24.00 Leave timber.
- 40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 35 on W.half, S 36 on E.half, dig pits, 18x18x12 ins., N. and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high,W.of cor.
From this cor.the frame house described heretofore bears S.18°43'W.
- 80.00 Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.25-26-35 and 36, marked on brass cap T 35 S S 26 in NW.
R 13 W S 25 in NE.,

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

S 36 in SE., and
 S 35 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.
 Land, mountainous and rolling.
 Soil, rocky, 2nd. and 3rd. rate.
 Timber, cedar and pinon.
 Mountainous land on 10.00 chs.

North, on sectional guide meridian;

Bet. secs. 25 and 26.

Gradual descent over rolling land, through dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 on W. half,
 S 25 on E. half, dig pits, 18x18x12 ins., N. and S. of post,
 $3\frac{1}{2}$ ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
 ground, for cor. of secs. 23-24-25 and 26, marked on brass
 cap T 35 S S 23 in NW..

R 13 W S 24 in NE.,

S 25 in SE., and

S 26 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.

Land, rolling.

Soil, rocky loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

Land covered with dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

North on sectional guide meridian,

Bet. secs. 23 and 24.

Gradual descent over rolling land, through dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 23 on W.half, S 24 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs. 13-14-23 and 24, marked on brass cap, T 35 S S 14 in NW., R 13 W S 13 in NE., S 24 in SE., and S 23 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Land covered with dense undergrowth on 80.00 chs.

August 8: At this cor. I set off 16° 11' N., on decl.arc, and at 0h.06m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 46' N.

North, on sectional guide meridian,

Bet. secs. 13 and 14.

Descend over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 14 on W.half, S 13 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	1½ ft. high, W. of cor.
42.35	Road from Iron Springs to Antelope Springs, bears NW. and SE.
57.00	Enter swale, course NE.
70.00	Leave swale.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked on brass cap T 35 S S 11 in NW., R 13 W S 12 in NE., S 13 in SE., and S 14 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, loam, 1st. rate. No timber. Undergrowth, sage brush.

North, on sectional guidemeridian,

Bet. secs. 11 and 12.

Over rolling land, through sparse undergrowth.

40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on W. half, S 12 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 1-2-11 and 12, marked on brass cap, T 35 S S 2 in NW., R 13 W S 1 in NE., S 12 in SE., and S 11 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Knowing the line bet. secs. 1 and 2 will not close within limits on the N.bdy. of the Tp., I run

North, on a true line,

Bet. secs. 1 and 2.

Gradual descent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on W. half, S 1 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

51.50 Road from Lund to Cedar City, bears NW. and SE.

84.07 Intersect N.bdy. of Tp., 8.59 chs., S. 89° 16' E., from the cor. of secs. 1-2-35 and 36, heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 1 and 2, marked on brass cap T 34 S S 35 CCR 13 W S 36 on N. half, and S 2 T 35 S S 1 R 13 W on S. half, dig pits, 24x24x12 ins., crosswise on each line, E. and W. 3 ft. and S. of post 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

I destroy all marks on the cor. of secs. 1-2-35 and 36, that pertain to T.35 S.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

August 8, 1909

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

August 9: At 7h.05m., a.m., l.m.t., I set off $37^{\circ}44'N.$, on lat.arc, $15^{\circ}59'N.$, on decl.arc, and determine a meridian with the solar at the cor.of secs. 25-26-35 and 36.

Thence I run

East, on a random line, bet.secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

70.88 Fall 2 lks.N. of the cor.of secs. 25 and 36, heretofore described.

Thence I run

$N.89^{\circ}59'W.$, on a true line,

Bet.secs. 25 and 36.

Descend over rocky and mountainous land, through scattering timber.

30.88 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor.marked on brass cap, $\frac{1}{4}$ S 25 on N.half, S 36 on S.half, from which

A cedar, 7 ins.diam., bears $N.36^{\circ}E.$, 102 lks.dist., marked $\frac{1}{4}$ S 25 BT.

A cedar, 5 ins.diam., bears $S.89^{\circ}E.$, 274 lks.dist., marked $\frac{1}{4}$ S 36 BT.

35.00 Leave mountainous land, bears NE.and SW.

Leave timber.

Descend over rolling land.

49.30 Road from Iron Springs to Desert Mound, bears NE.and SW.

70.88 The cor.of secs. 25-26-35 and 36.

Land, mountainous and rolling.

Soil, rocky, 2nd.and 3rd.rate.

Timber, cedar and pinon.

Mountainous land on 35.00 chs.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

From the cor.of secs.23-24-25 and 26, I run
S.89°59' E., on a random line, bet.secs.24 and 25.

40.00 Set temp. + sec.cor.

72.00 Intersect E.bdy. of Tp., 4 lks.N. of the cor.of secs.24 and
25, heretofore described.

Thence I run

N.89°57' W., on a true line,

Bet.secs.24 and 25.

Descend gradually over rolling land, through sparse
undergrowth.

14.00 Road from Iron Springs to Desert Mound, bears NE. and SW.

32.00 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground,
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 24 on N.half,
S 25 on S.half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft.dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.
high, N. of cor.

72.00 The cor.of secs.23-24-25 and 26.

Land, rolling.

Soil, sandy loam, 2nd.rate.

No timber.

Undergrowth, sage brush.

From the cor.of secs.13-14-23 and 24, I run
S.89°57' E., on a random line, bet.secs.13 and 24.

40.00 Set temp. + sec.cor.

73.20 Intersect E.bdy. of Tp., 2 lks.S. of the cor.of secs.13 and
24, heretofore described.

Thence I run

N.89°58' W., on a true line,

Bet.secs.13 and 24.

Descend over rolling land, through sparse undergrowth.

53.20 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground,
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 13 on N.half,
S 24 on S.half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft.dist..

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

73.20 The cor. of secs. 13-14-23 and 24.

Land, rolling.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, sage brush.

August 9: At this cor. I set off $15^{\circ}54'N.$, on decl. arc, and at 0h.05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $37^{\circ}46'N.$

S. $89^{\circ}58'E.$, on a random line, bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

72.83 Intersect E. bdy. of Tp., 6 lks. S. of the cor. of secs. 12 and 13, heretofore described.

Thence I run

S. $89^{\circ}59'W.$, on a true line,

Bet. secs. 12 and 13.

Over rolling land, through sparse undergrowth.

32.83 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 12 on N. half, S 13 on S. half, dig pits, $18 \times 18 \times 12$ ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

63.00 Enter bottom of swale, course NE.

71.00 Leave swale.

72.83 The cor. of secs. 11-12-13 and 14.

Land, rolling.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

See Correct
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SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	From the cor. of secs. 1-2-11 and 12, I run N. 89° 59' E., on a random line, bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
71.16	Intersect E. bdy. of Tp., 21 lks. S. of the cor. of secs. 1 and 12, heretofore described. Thence I run S. 89° 49' W., on a true line, Bet. secs. 1 and 12. Descend gradually over rolling land, through sparse undergrowth.
2.37	Telephone line, bears NW. and SE.
3.26	Road from Cedar City to Lund, bears NW. and SE.
11.24	Wire fence bears N. about 8.00 chs. and S. about 17.00 chs. Enter enclosed field, belonging to Kuzen L. Jones.
31.16	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on N. half, S 12 on S. half, dig pits, 18x18x12 ins., E. and W. of post., 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
31.24	Wire fence, bears N. about 8 chs. and S. about 17.00 chs. Leave enclosed field.
36.00	Wash, 15 lks. wide, 4 ft. deep, course NE. Begin gradual ascent over rolling land.
71.16	The cor. of secs. 1-2-11 and 12. Land, rolling. Soil, sandy loam, 1st. rate. No timber. Undergrowth, sage brush.

August 9, 1909

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS	
	August 10: At 7h.05m., a.m., l.m.t., I set off $37^{\circ}43'N.$ on lat arc, $15^{\circ}41'N.$, on decl. arc, and determine a meridian with the solar at the stan.cor. of secs. 34 and 35, on the 7th. Stan. Par. S., which is a granite stone, 5x8x4 ins. above ground, marked and witnessed as described by the surveyor general, thence I run
	N. $0^{\circ}01'W.$, bet. secs. 34 and 35.
	Gradual descent over rolling land, through sparse under-growth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S\ 34$ on W. half, S 35 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
70.50	Wash, 30 lks. wide, 10 ft. deep, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 26-27-34 and 35, marked on brass cap T 35 S S 27 in NW., R 13 W S 26 in NE., S 35 in SE., and S 34 in SW quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, loam, 1st. rate.
	No timber.
	Undergrowth, sage brush.
	East, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.70	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 25-26-35 and 36.
	Thence I run
	N. $89^{\circ}56'W.$, on a true line,
	Bet. secs. 26 and 35.

SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

Descend over rolling land, through sparse undergrowth.

39.25 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 26 on N.half, S 35 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N.of cor.

69.50 Wash, 35 lks. wide, 10 ft. deep, course NE.

79.70 The cor. of secs. 26-27-34 and 35.

Land, rolling,

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

N.0°01'W., bet. secs. 26 and 27.

Gradual descent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 27 on W.half, S 26 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs. 22-23-26 and 27, marked on brass cap T 35 S S 22 in NW., R 13 W S 23 in NE., S 26 in SW., and S 27 in SE. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W.of cor.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

S. 89° 56' E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.72 Intersect N. and S. line, 12 lks. S. of the cor. of secs.
23-24 25 and 26.

Thence I run

S. 89° 59' W., on a true line,

Bet. secs. 23 and 26.

Gradual descent over rolling land, through sparse
undergrowth.

39.86 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 23 on N. half,
S 26 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, N. of cor.

54.25 Wash, 35 lks. wide, 10 ft. deep, course NW.

Begin gradual ascent.

79.72 The cor. of secs. 22-23-26 and 27.

Land, rolling

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

N. 0° 01' W., bet. secs. 22 and 23.

Gradual descent over rolling land, through sparse
undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. d a., 26 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 22 on W. half,
S 23 on E. half, dig pits, 18x18x12 ins., N. and S. of post,
3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground
for cor. of secs. 14-15-22 and 23, marked on brass cap,
T 35 S S 15 in NW.,
R 13 W S 14 in NE.,

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

S 23 in SE., and

S 22 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

August 10: At this cor. I set off 15°36' N., on decl. arc, and
 at oh. 05m., p.m., l.m.t., observe the sun on the meridian,
 the resulting lat. is 37°46' N.

N. 89°59' E., on a random line, bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.74 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 13-14-
 23 and 24.

Thence I run

West, on a true line,

Bet. secs. 14 and 23.

Gradual descent over rolling land, through sparse
 undergrowth.

39.87 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 on N. half,
 S 23 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor.

45.50 Wash, 50 lks. wide, 10 ft. deep, course NE.

79.74 The cor. of secs. 14-15-22 and 23.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	N. 0° 01' W., bet. secs. 14 and 15. Descend gradually over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 15 on W. half, S 14 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
78.13	Road from Iron Springs to Antelope Springs, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 10-11-14 and 15, marked on brass cap T 35 S S 10 in NW., R. 13 W S 11 in NE., S 14 in SW., and S 15 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, loam, 1st. rate. No timber. Undergrowth, sage brush.
	East, on a random line, bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.70	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 11-12-13 and 14. Thence I run
	N. 89° 59' W., on a true line, Bet. secs. 11 and 14.
	Gradual ascent over rolling land, through sparse undergrowth.
39.85	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on N. half,

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

- S 14 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.70 The cor. of secs. 10-11-14 and 15.
Land, rolling.
Soil, loam, 1st. rate.
No timber.
Undergrowth, sage brush.
-
- N. 0°01'W., bet. secs. 10 and 11.
Gradual descent over rolling land, through sparse undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on W. half, S 11 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 2-3-10 and 11, marked on brass cap
T 35 S S 3 in NW.,
R 13 W S 2 in NE.,
S 11 in SE., and
S 10 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land, rolling.
Soil, loam, 1st. rate.
No timber.
Undergrowth, sage brush.
-
- S. 89°59'W., on a random line, bet. secs. 2 and 11.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.68 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 1-2-11 and 12.

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

Thence I run

S.89°57'W., on a true line,

Bet. secs. 2 and 11.

Gradual ascent over rolling land, through sparse undergrowth.

39.84 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 2 on N.half, S 11 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

79.68 The cor.of secs. 2-3-10 and 11.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Knowing the line betsecs. 2 and 3 will not close within limits on the N.bdy. of the Tp., I run

N.0°01'W., on a true line,

Bet. secs. 2 and 3.

Gradual descent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 3 on W.half, S 2 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

82.35 Intersect N.bdy. of Tp., 9.15 chs., N.89°24'E., from the cor. of secs. 2-3-34 and 35, heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor.of secs. 2 and 3, marked on brass cap, T 34 S S34 CG R13 W S 35 on N.half, and T 35 S S 3 S 2 R 13 W on S.half, dig pits, 24x18x12

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

ins., crosswise on each line, E. and W., 3 ft. dist., and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base 2 ft. high, S. of cor.

I destroy all marks on the cor. of secs. 2-3-34 and 35, that pertain to T. 35 S.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

August 10, 1909

August 11 : At 7h. 05m., a.m., l.m.t., I set off $37^{\circ}43'N.$, on lat.arc, $15^{\circ}25'N.$, on decl.arc, and determine a meridian with the solar at the stan.cor. of secs. 33 and 34, on the 7th Stan.Par.South, which is a granite stone, 6x8x4 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run

N. $0^{\circ}01'W.$, bet. secs. 33 and 34.

Gradual ascent over rolling land, through sparse undergrowth.

- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 33 on W. half, S 34 on E. half, dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 27-28-33 and 34, marked on brass cap, T 35 S S 28 in NW.,
R 13 W S 27 in NE.,
S 34 in SE., and
S 33 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS	
	high, W. of cor.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, sage brush.
	East on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.24	Intersect N. and S. line, 9 lks. N. of the cor. of secs. 26-27-34 and 35.
	Thence I run
	N. 89° 56' W., on a true line,
	Bet. secs. 27 and 34.
	Gradual ascent over rolling land, through sparse undergrowth.
40.12	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 27 on N. half, S 34 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.24	The cor. of secs. 27-28-33 and 34.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, sage brush.
	N. 0° 01' W., bet. secs. 27 and 28.
	Gradual descent over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on W. half, S 27 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 21-22-27 and 28, marked on brass cap
 T 35 S S 21 in NW.,
 R 13 W S 22 in NE.,
 S 27 in SE., and
 S 28 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.
 Land rolling.
 Soil, loam, 2nd. rate.
 No timber.
 Undergrowth, sage brush.
-
- S. 89° 56' E., on a random line, bet. secs. 22 and 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.44 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 22-23-26 and 27.
 Thence I run
 N. 89° 59' W., on a true line,
 Bet. secs. 22 and 27.
 Gradual ascent over rolling land, through sparse undergrowth.
- 40.22 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on N. half, S 27 on S. half, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Pits impracticable.
- 80.44 The cor. of secs. 21-22-27 and 28.
 Land, rolling.
 Soil, loam, 2nd. rate.
 No timber.
 Undergrowth, sage brush.
-

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	N. 0° 01' W., bet. secs. 21 and 22.
	Gradual descent over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., in mound of earth for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on W. half, S 22 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of earth for cor. of secs. 15-16-21 and 22, marked on brass cap, T 35 S S 16 in NW., R 13 W S 15 in NE., S 22 in SE., and S 21 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
	Land, rolling.
	Soil, loam, 2nd. rate.
	No timber.
	Undergrowth, sage brush.
	August 11: At this cor. I set off 15° 19' N., on decl. arc, and at 0h. 05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 46' N.
	S. 89° 59' E., on a random line, bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.40	Intersect N. and S. line 16 lks. N. of the cor. of secs. 14-15-22 and 23.
	Thence I run

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

N.89°52'W., on a true line,

Bet. secs. 15 and 22.

Gradual ascent over rolling land, through sparse undergrowth.

40.20 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 15 on N. half, S 22 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.40 The cor. of secs. 15-16-21 and 22.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

N.0°01'W., bet. secs. 15 and 16..

Descend gradually over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 16 on W. half, S 15 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., in mound of earth,

for cor. of secs. 9-10-15 and 16, marked on brass cap

T 35 S S 9 in NW.,

R 13 W S 10 in NE.,

S 15 in SE., and

S 16 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

Land, rolling.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS	
	Soil, loam, 2nd rate.
	No timber.
	Undergrowth, sage brush.
	S.89°52'E., on a random line, bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.48	Intersect N. and S. line, 11 lks. S. of the cor. of secs. 10-11-14 and 15. Thence I run N.89°57'W., on a true line, Bet. secs. 10 and 15. Ascend over rolling land, through sparse undergrowth.
4.00	Road from Iron Springs to Antelope Springs, bears NW. and SE.
40.24	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 10 on N.half, S 15 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.48	The cor. of secs. 9-10-15 and 16. Land, rolling, Soil, gravelly loam, 2nd rate. No timber. Undergrowth, sage brush.
	N.0°01'W., bet. secs. 9 and 10.
	Gradual descent over rolling land, through sparse undergrowth.
33.00	Road from Iron Springs to Antelope Springs, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 9 on W.half, S 10 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,

See Correct
Notes Bo
Page 1

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

W.of cor.

- 80.00 Set an iron post, 3 ft. long, 2 in. dia., 24 ins. in the ground
for cor. of secs. 3-4-9 and 10, marked on brass cap
T 35 S S 4 in NW.,
R 13 W S 3 in NE.,
S 10 in SE., and
S 9 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, W.of cor.
Land, rolling.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, sage brush.

S. 89° 57' E., on a random line, bet. secs. 3 and 10.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.36 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
2-3-10 and 11.
Thence I run
N. 89° 55' W., on a true line,
Bet. secs. 3 and 10.

Gradula ascent over rolling land, through sparse
undergrowth.

- 40.18 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 3 on N. half,
S 10 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, N. of cor.
80.36 The cor. of secs. 3-4-9 and 10.
Land rolling.
Soil, loam, 1st. rate.
No timber.
Undergrowth, sage brush.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

Knowing the line bet. secs. 3 and 4 will not close within limits on the N.bdy. of the Tp., I run N.0°01'W., on a true line,

Bet. secs. 3 and 4.

Ascend gradually over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 4 on W.half, S.3 on E.half, dig pits, 12x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

81.30 Intersect N.bdy. of Tp., 8.97 chs., N.89°23'E., from the cor. of secs. 3-4-33 and 34, heretofore described.

Set an iron post, 3 ft. long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs. 3 and 4, marked on brass cap T 34 S S33 CC R13 W S 34 on N.half, and S.4 T 35 S S 3 R 13 W on S.half, dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and S. of post, 7 ft.dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S.of cor.

I destroy all marks on the cor.of secs. 3-4-33 and 34, that pertain to T.35 S.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

August 11, 1909

August 12: At 7h.05m., a.m., l.m.t., I set off 37°43'N., on lat.arc, 15°06'N., on decl.arc, and determine a meridian with the solar at the stan.cor.ofsecs.32 and 33, heretofore described on the 7th. Standard Parallel South.

Thence I run

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

N.0°02'W., bet. secs. 32 and 33.

Gradual descent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 32 on W. half, S 33 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 28-29-32 and 33, marked on brass cap
T 35 S S 29 in NW.,
R 13 W S 28 in NE.,
S 33 in SE., and
S 32 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
Land, rolling.
Soil, loam, 1st. rate.
No timber.

Undergrowth, sage brush.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.30 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 27-28-33 and 34.

Thence I run

N.89°56'W., on a true line,

Bet. secs. 28 and 33.

Gradual ascent over rolling land, through sparse undergrowth.

40.15 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, S 33 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS	
	1½ ft. high, N. of cor.
80.30	The cor. of secs. 28-29-32 and 33. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, sage brush.
	N. 0° 02' W., bet. secs. 28 and 29.
	Gradual descent over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, S 28 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked on brass cap T 35 S S 20 in NW., R 13 W S 21 in NE., S 28 in SE., and S 29 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, sage brush.
	S. 89° 56' E., on a random line, bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 21-22-27 and 28. Thence I run.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

N.89°59'W., on a true line,

Bet.secs.21 and 28.

Gradual ascent over rolling land, through sparse under-growth.

40.05 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S. 21 on N. half, S. 28 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.10 The cor.of secs. 20-21-28 and 29.

Land, rolling.

soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

N.0°02'W., bet.secs.20 and 21.

Gradual descent over rolling land, through sparse under-growth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S. 20 on W. half, S. 21 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. dia., in mound of earth, for cor.of secs. 16-17-20 and 21, marked on brass cap
T 35 S S 17 in NW.,
R 13 W S 16 in NE.,
S 21 in SW., and
S 20 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

Land, rolling.

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

August 12: At this cor. I set off 15° 01' N., on decl. arc, and at 0h.05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 46' N.

S. 89° 59' E., on a random line, bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 16 1 $\frac{1}{2}$ s. S. of the cor. of secs. 15-16-21 and 22.

Thence I run

S. 89° 54' W., on a true line,

Bet. secs. 16 and 21.

Gradual ascent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 on N. half, and S. 21 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.00 The cor. of secs. 16-17-20 and 21.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

N. 0° 02' W., bet. secs. 16 and 17.

Gradual descent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on W. half, S 16 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.

1996-1997 学年第一学期期中考试卷

卷之三

卷之三

THE AIR FORCE SIGHTS ON THE COAST OF JAPAN, ORIGINATED IN THE
FAR EAST, AND ARE NOW BEING MAINTAINED BY THE
U.S. AIR FORCE IN ASIA.
THE AIR FORCE IS
MAINTAINING A
SIGHTING LINE
FROM THE
CHINA SEA
THROUGH
THE
JAPANESE ISLANDS
TO THE
CHINA SEA.
THE AIR FORCE IS
MAINTAINING A
SIGHTING LINE
FROM THE
CHINA SEA
THROUGH
THE
JAPANESE ISLANDS
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FROM THE
CHINA SEA
THROUGH
THE
JAPANESE ISLANDS
TO THE
CHINA SEA.

新嘉坡 廣州
新嘉坡 廣州
新嘉坡 廣州

卷之三十一

卷之三十一

這就是說，我們在研究社會問題時，不能只看表面現象，而要深入到社會的內部，去了解社會的真實情況。

其後，王之子，子之子，子孫之後，皆有其名。故曰：「子孫之後，必有其名。」

卷之三十一

卷之三

10. The following table shows the number of hours worked by each employee.

卷之三

卷之三十一

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

N.0°02'W., bet. secs. 8 and 9.

Gradual descent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on W. half, S 9 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

66.50 Road from Iron Springs to Antelope Springs bears E. and W.

70.00 Road from Iron Springs to Antelope Springs, bears NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 4-5-8 and 9, marked on brass cap
T 35 S S 5 in NW.,
R 13 W S 4 in NE.,
S 9 in SE., and
S 8 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

S.89°57'E., on a random line, bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line, 21 lks. N. of the cor. of secs. 3-4-9 and 10.

Thence I run

N.89°48'W., on a true line,

Bet. secs. 4 and 9.

Gradual ascent over rolling land, through sparse undergrowth.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

- 38.95 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 4 on N.half, S 9 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
- 79.90 The cor.of secs.4-5-8 and 9.
Land, rolling.
Soil, loam, 2nd. rate.
No timber.
Undergrowth, sage brush.

Knowing the line between secs.4 and 5 will not close within limits on the N.bdy. of the Tp., I run
N.0°02'W., on a true line,

Betsecs.4 and 5.

Gradual descent over rolling land, through sparse under-growth.

- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 5 on W.half, S 4 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
- 80.06 Intersect N.bdy. of Tp., 9.18 chs. N.89°30'E., from the cor.of secs.4-5-32 and 33, heretofore described.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor.of secs.4 and 5, marked on brass cap T 34 S 332 CORR13 W S 33 on N.half, and
S 5 T 35 S S 4 R 13 W on S.half, dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S.of cor.
I destroy all marks on the cor.of secs.4-5-32 and 33, that pertain to T.35 S.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

Land, rolling.
 Soil, loam, 2nd. rate.
 No timber.
 Undergrowth, sage brush.

August 12, 1909.

August 13: At 7h.05m., a.m., l.m.t., I set off $37^{\circ}44'N.$, on lat.arc, $14^{\circ}48'N.$, on decl.arc, and determine a meridian with the solar at the cor.of secs. 28-29-32 and 33.

The south boundaries of secs. 31 and 32 being out of limits for distance, I proceed as follows:

From the cor.of secs. 28-29-32 and 33, I run

West, on sectional correction line,
 Bet. secs. 29 and 32.

Gradual ascent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 29 on N.half, S 32 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor.of secs. 29-30-31 and 32, marked on brass cap
 T 35 S S 30 in NW.,
 R 13 W S 29 in NE.,
 S 32 in SE., and
 S 31 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	West, on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.52	Intersect W. bdy. of Tp., 35 lks. S. of the re-established cor. of secs. 25-30-31 and 36, heretofore described. Thence I run S. $89^{\circ}45' E.$, on a true line, Bet. secs. 30 and 31.
	In bottom of hollow, course NE., through scattering timber.
8.00	Leave hollow, begin abrupt ascent over rocky and mountainous land, bearing NE. and SW.
22.25	Rocky spur, projects N. Abrupt descent.
43.52	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S. 30 on N half, S. 31 on S. half, from which A cedar, 8 ins. dia., bears S. $70^{\circ} W.$, 182 lks. dist., marked $\frac{1}{4}$ S. 31 BT. A cedar, 10 ins. diam., bears N. $6^{\circ} W.$, 66 lks. dist., marked $\frac{1}{4}$ S. 30 BT.
49.50	Leave mountainous land, bears NE. and SW. Gradual descent over rolling land. Leave timber.
83.52	The cor. of secs. 29-30-31 and 32. Land, mountainous and rolling. Soil, rocky, 3rd. and 4th. rate on 41.50 chs. balance, loam, 2nd. and 3rd. rate. Timber, cedar and pinon. Mountainous land on 41.50 chs.

Knowing the line bet. secs. 31 and 32, will not close within limits on the S. bdy. of the Tp., I begin at the cor. of secs. 29-30-31 and 32, and run

S. $0^{\circ}03' E.$, on a true line,
Bet. secs. 31 and 32.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

Gradual descent over rolling land, through sparse under-growth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 31 on W.half, S 32 on E.half, dig pit, 18x18x12 ins., N.and S.of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, E.of cor.

79.87 Intercept 7th Stan.Par.South, 1.30 chs. E.of the stan. cor.of secn.31 and 32, heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., for closing cor. of secn.31 and 32, marked on brass cap, CC on S.half,

T 35 S S 31 in NW., and

R 13 W S 32 in NW.quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

I destroy all marks on the stan.cor.of secn.31 and 32, that pertain to T.35 S.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

From the cor.of secn.29-30-31 and 32, I run

N.0'03'W., bet secn.29 and 30.

Gradual descent over rolling land, through sparse under-growth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{2}$ S 30 on W.half, S 29 on E.half, dig pit, 18x18x12 ins., N.and S.of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, E.of cor.

20.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor.of secn.19-20-29 and 30, marked on brass cap

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHATNS

T 35 S S 19 in NW.,

R 13 W S 20 in NE.,

S 29 in SE., and

S 30 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, W. of cor.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

August 13: At this cor. I set off 14° 43' N., on decl. arc,
and at 0h.05m., p.m., l.m.t., observe the sun on the
meridian, the resulting lat. is 37° 45' N.

East, on a random line, bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.92 Intersect N. and S. line, 3 lks. N. of the cor. of secs.

20-21-28 and 29.

Thence I run

N. 89° 59' W., on a true line,

Bet. secs. 20 and 29.

Gradual ascent over rolling land, through sparse under-growth.

59.96 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half,
S 29 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, N. of cor.

79.92 The cor. of secs. 19-20-29 and 30.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	N. 89° 45' W., on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.34	Intersect W. bdy. of Tp., 3 lks. N. of the re-established cor. of secs. 19-24-25 and 30, heretofore described. Thence I run S. 89° 46' E., on a true line, Bet. secs. 19 and 30. Ascend over rocky and mountainous land.
3.00	Rocky spur, projects S. Abrupt descent.
18.25	Leave mountainous land, bears NE. and SW. Gradual descent over rolling land, through sparse undergrowth.
43.34	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 on N. half, S 30 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
83.34	The cor. of secs. 19-20-29 and 30. Land, mountainous and rolling. Soil, rocky, 3rd. and 4th. rate on 18.25 chs. balance, loam, 2nd. rate. No timber. Undergrowth, sage brush.
	<hr/> N. 0° 03' W., bet. secs. 19 and 20. Gradual ascent over rolling land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 19 on W. half and S 20 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

ground, for cor. of secs. 17-18-19 and 20, marked on brass cap T 35 S S 18 in NW.,
 R 13 W S 17 in NE.,
 S 20 in SE., and
 S 19 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.
 Land, rolling.
 Soil, loam, 2nd. rate.
 No timber.
 Undergrowth, sage brush.

S.89°59'E., on a random line, bet. secs. 17 and 20.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.90 Intersect N. and S. line, 3 lks. N. of the cor. of secs.
 16-17-20 and 21.
 Thence I run
 N.89°58'W., on a true line
 Bet. secs. 17 and 20.
 Gradual ascent over rolling land, through sparse
 undergrowth.
- 39.95 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 17 on N.
 half and S 20 on S. half, dig pits, 18x18x12 ins., E. and W.
 of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, N. of cor.
- 79.90 The cor. of secs. 17-18-19 and 20.
 Land, rolling.
 Soil, loam, 1st. rate.
 No timber.
 Undergrowth, sage brush.
-

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	N. 89° 46' W., on a random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.09	Intersect W. bdy. of Tp., 3 lks. N. of the re-established cor. of secs. 13-18-19 and 24, heretofore described. Thence I run S. 89° 47' E., on a true line, Bet. secs. 18 and 19. Along rocky and mountainous north slope, descend.
40.50	Leave mountainous land, bears N. and S. Gradual descent over rolling land, through sparse undergrowth.
43.09	Set an iron post, 3 ft. long, 1 in. dia., in mound of earth, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 18 on N. half, S 19 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
83.09	The cor. of secs. 17-18-19 and 20. Land, mountainous and rolling. Soil, rocky, 3rd. rate on 40.50 chs. balance, loam, 2nd. rate. No timber. Undergrowth, sage brush,

August 13, 1909

August 14: At 7h.05m., a.m., l.m.t., I set off 37° 46' N., on lat. arc, 14° 29' N., on decl. arc, and determine a meridian with the solar at the cor. of secs. 17-18-19 and 20.

Thence I run

N. 0° 03' W., bet. secs. 17 and 18.

Gradual ascent over rolling land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS	
	ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. half and S 17 on E.half, dig pits, 18x18x12 ins., N.and S. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
41.30	Wash, 40 lks.wide, 8 ft.deep, course NE.
45.50	Begin abrupt ascent over rocky and mountainous land, bearing NE.and SW.
54.50	Rocky spur, projects NE. Abrupt descent.
65.00	Foot of abrupt descent, bears NE.and SW. Gradual descent over rolling land.
80.00	Set an iron post, 3 ft.long, 2 ins.dia., in mound of stone and earth, for cor.of secs.7-8-17 and 18, marked on brass cap T 35 S S 7 in NW., R 13 W S 8 in NE., S 17 in SE., and S 18 in SW.quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.high, W.of cor. Pits impracticable. On account of natural obstacles it is impossible to set this post over 12 ins.in the ground. Land, rolling and mountainous. Soil, loam, 2nd.rate on 60.50 chs. balance, rocky, 3rd.rate. No timber. Undergrowth, sage brush.
	S.89°58'E., on a random line, betsecs.8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.92	Intersect N.and S.line, 5 lks.S.of the cor.of secs. 8-9-16 and 17. Thence I run West, on a true line, Betsecs.8 and 17.

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS	
	Gradual ascent over rolling land, through sparse under-growth.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on N. half, S 17 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.92	The cor. of secs. 7-8-17 and 18. Land, rolling. Soil, loam, 2nd. rate. No timber. Undergrowth, sage brush.
	Knowing the line bet. secs. 7 and 18 will not close within limits on the W. bdy. of the Tp., I run N. $89^{\circ}47'W.$, on a true line, Bet. secs. 7 and 18.
	Gradual ascent over rolling land, through sparse under-growth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 on N. half, S 18 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
48.00	Begin ascent over mountainous land, bears N. and S. Enter scattering timber.
82.80	Intersect W. bdy. of Tp., 1.35 chs. N. $0^{\circ}06'E.$, from the cor. of secs. 7-12-13 and 18, heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for closing cor. of secs. 7 and 18, marked on brass cap T 35 S on N. half, CC:R14W S12 S13 on W. half and R 13 W S 7 S 18 on E. half, from which

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

A cedar, 8 ins. diam., bears N.79°E., 158 lks. dist., marked T 35 S R 13 W S 7 BT.

A cedar, 8 ins. diam., bears S.77°E., 204 lks. dist., marked T 35 S R 13 W S 18 BT.

I destroy all marks on the cor. of secs. 7-12-13 and 18 that pertain to R.13 W.

Land, rolling and mountainous.

Soil, loam on 48.00 chs., 1st. rate.
balance rocky, 3rd. rate.

Timber, cedar and pinon.

Undergrowth, sage brush.

Mountainous land on 34.80 chs.

August 14: At this cor. I set off 14°24'N., on decl. arc, and at Oh.05m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37°47'N.

N.0°03'W., bet. secs. 7 and 8.

Gradual ascent over rolling land, through sparse under-growth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 7 on W. half and S 8 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

52.00 Road from Iron Springs to Antelope Springs bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. di., in mound of stone and earth, for cor. of secs. 5-6-7 and 8, marked on brass cap T 35 S S 6 in NW.,
R 13 W S 5 in NE.,
S 2 in SE., and
S 7 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

Land, rolling.

Soil, loam, 2nd. rate.

No timber.

Undergrowth, sage brush.

East, on a random line, bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. and S. line, 3 lks. S. of the cor. of secs.

4-5-8 and 9.

Thence I run

S. $89^{\circ}59'W.$, on a true line,

Bet. secs. 5 and 8.

Gradual ascent over rolling land, through sparse undergrowth.

12.30 Road from Iron Springs to Antelope Springs bears

NW. and SE.

39.97 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on N. half, S 8 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

79.94 The cor. of secs. 5-6-7 and 8.

Land, rolling.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Knowing the line bet. secs. 6 and 7 will not close within limits on the W. bdy. of the Tp., I run

N. $89^{\circ}47'W.$, on a true line,

Bet. secs. 6 and 7.

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

- Ascend through sparse undergrowth.
- 3.00 Begin abrupt ascent over mountainous land, bears N. and S.
- 8.00 Top of ridge, bears N. and S.
- Abrupt descent.
- 28.00 Foot of abrupt descent bears NE. and SW.
- Gradual ascent over rolling land.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 6 on N. half, S 7 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 82.55 Intersect W.bdy. of Tp., 1.92 chs. N. of the cor. of secs. 1-6-7 and 12, heretofore described.
- Set an iron post, 3 ft. long, 2 ins. di., in mound of stone and earth, for closing cor. of secs. 6 and 7, marked on brass cap T 35 S on N. half,
- R 14 W S 1 S 12 CC on W.half; and
- R 13 W S 6 S 7 on E.half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
- Pits impracticable.
- On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
- I destroy all marks on the cor. of secs. 1-6-7 and 12, that pertain to R.13 W.
- Land, rolling and mountainous.
- Soil, rocky, 3rd. rate.
- No timber.
- Undergrowth, sage brush.
- Mountainous land on 25.00 chs.
-

SUBDIVISIONS OF T. 35 S., R. 13 W.

CHAINS

Knowing the line bet. secs. 5 and 6 will not close within limits on the N.bdy. of the Tp., I run

N.0°03'W., on a true line,

Bet. secs. 5 and 6.

Ascend through sparse undergrowth.

10.00 Begin abrupt ascent over mountainous land, bearing E. and W.

17.00 Spur, projects E.

Descend.

30.00 Leave mountainous land, bears E. and W.

Gradual descent over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 6 on W. half and S 5 on E. half, and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

41.00 Road from Iron Springs to Antelope Springs bears NW. and SE.

79.37 Intersect N.bdy. of Tp., 9.18 chs. N.89°43'E., from the cor. of secs. 5-6-31 and 32, heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 5 and 6, marked on brass cap T 34 S S 31 R 13 W S 32 CC on N. half, and

S 6 T 35 S S 5 R 13 W on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Pits impracticable.

I destroy all marks on the cor. of secs. 5-6-31 and 32, that pertain to T. 35 S.

Land, rolling and mountainous.

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, sage brush.

Mountainous land on 20.00 chs.

GENERAL DESCRIPTION OF T.35 S., R.13 W.

This township lies in "Escalante Valley" and is generally undulating sloping to the north, with the exception of the southeast and extreme western portions which are rocky and mountainous.

The soil of the portion of the township falling in the valley is generally a sandy or a rocky loam, 1st. and 2nd. rate, covered with a growth of undergrowth and nutritious grasses and is capable of producing crops with irrigation.

The soil of the mountainous portion is rocky and is covered with a scattering growth of cedar and pinon timber.

There is no surface water in this township; during high waters ,Iron Springs Wash carries water into sec.12.

The Desert Entry No.5019 of Kumen L.Jones is located in SE. $\frac{1}{4}$ of Sec.1 and NE. $\frac{1}{4}$ of sec.12.

The improvements on this entry consist of a fenced field enclosing about 50 acres.

There was no land under cultivation at time of survey.

I could not discover who the claimant was of an enclosure comprising of about 50 acres in the NW. $\frac{1}{4}$ of sec.1.

There are no settlers living in this township, and there is no land under cultivation.

The frame house in the SE. $\frac{1}{4}$ of sec.35 is used by miners.

Iron ore in paying quantities is found in secs.25,35 and 36, which I return as mineral land.

There is no other mineral found in this township.

There are no indications of oil, oil springs ,oil seeps or wells in this township.

Frank T. Torito
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

owing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z", Chainman.
T. 34 S., R. 12 W. _____, Chainman.

15

, Moundman.

, Moundman.

, Axeman.

, Axeman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axeman.

, Axeman.

, Flagman.

scribed and sworn to before me this _____
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 34 S., R. 12 W. 15

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, 150

The foregoing field notes of the survey of the Subdivisional lines of Township No. 35 South, Range No. 13 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

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FEB 21 1910

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CORRECTIVE
BOOK A-356FIELD NOTES
To Book "V" Original Notes

OF THE SURVEY OF THE

SUBDIVISIONS

of

TOWNSHIP NO. 35 SOUTH, RANGE NO. 13 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced January 23, 1910

Survey completed January 23, 1910

BOOK A-356

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Heist, Chairman

Walter A. Stumm, "

Harvey D. Heist, Moundman

Walter A. Stumm, Flagman

BOOK A-356

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harvey D. Heist,and Walter A. Stumm,

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivisions of T. 35 S., Rs. 13, 14, 17 and 19 W., S.L.B. & M., in the state of Utah.

Harvey D. Heist, Chainman.
Walter A. Stumm, Chainman.

Subscribed and sworn to before me this 23rd.day of January, 190¹⁰

Frank T. Roberts

U.S. Deputy Surveyor

WE, Harvey D. Heist,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the subdivisions of T. 35 S., Rs. 13, 14, 17 and 19 W., S.L.B. & M., in the state of Utah.

Harvey D. Heist, Moundman.
Harvey D. Heist, Moundman.

Subscribed and sworn to before me this 23rd.day of January, 190¹⁰

Frank T. Roberts

U.S. Deputy Surveyor

WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

 , Axman. , Axman.Subscribed and sworn to before me this .day of , 190¹⁰

I, Walter A. Stumm, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the corrective survey of the subdivisions of T. 35 S., Rs. 13, 14, 17 and 19 W., S.L.B. & M., in the state of Utah.

Walter A. Stumm, Flagman.

Subscribed and sworn to before me this 23rd.day of January, 190¹⁰

Frank T. Roberts

U.S. Deputy Surveyor

CORRECTIVE NOTES OF THE SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS	
	Survey commenced, January 23, 1910, and executed with the instrument described in book "A", of original survey.
	At 8 h.12m., a.m., l.m.t., I set off $37^{\circ}47'N.$, on lat.arc, $18^{\circ}29'S.$ on decl.arc, and determine a meridian with the solar at the cor.of secs.9-10-15 and 16, described in original field notes.
	Thence I run $S.89^{\circ}57'E.$, on a random line, bet.secs.10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.49	Intersect N.and S.line, 5 lks.S. of the cor.of secs.10+11-14 and 15, described in original field notes. Thence I run $N.89^{\circ}59'W.$, on a true line, Bet.secs.10 and 15.
40.24 $\frac{1}{2}$	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 10$ on N.half, and S 15 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, N.of cor.
40.50	The original $\frac{1}{4}$ sec.cor.bears N.3 lks.dist., I destroy all traces of the original $\frac{1}{4}$ sec.cor.
80.49	The cor.of secs.9-10-15 and 16. There is no change of topography on this line.
	See Original Notes Book Page 23.
	January 23, 1910
	 U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book 4 _____, Chainman.
corrective notes T. 35 S., R. 17 W. _____, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____
meridian, _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, Chainman.
_____, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final oath of deputy see book 4 corrective notes T. 35 S. R. 17 W. of the _____

meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190 }

SEAL

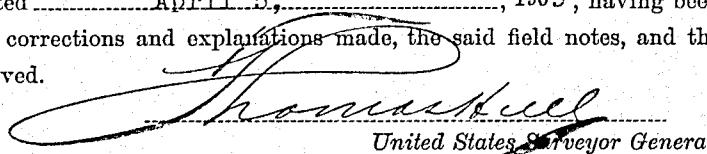
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910

The foregoing field notes of the survey of Subdivision of Township No. 35 South Range No. 13 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the corrective surveys they describe, are hereby approved.


Frank T. Roberts
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

3BOOK A-356
CORRECTIVE

FILED

Aug 10 1910

FIELD NOTES

To Book "V" of Original Field Notes
OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 35 SOUTH, RANGE NO. 13 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced July 30, 1909

Survey completed July 30, 1909

BOOK A-356

NAMES AND DUTIES OF ASSISTANTS.

William H. DeWolfe, Chairman

William Houchein, "

William Houchein, Moundman

BOOK A-356

INDEX DIAGRAM.

Township , *Range*

6	7	8	9	10	11	12
13	17	16	15	14	13	
19	20	21	22	23	24	
25	29	26	27	28	26	25
31	32	33	34	35	36	

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, William H. Dewolfe and William H. Houchein do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivisions of T. 35 S., R. 13 W., S.L.B. & M., in the state of Utah.

William H. H. Wolff, Chainman.
William Houchein, Chainman.

Subscribed and sworn to before me this 30th.
day of July, 1900 }

Frank T. Roberts
U.S. Deputy Surveyor

We, I, William Houchein and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me, to the best of our skill and ability, in the survey of the Subdivisions of T. 35 S., R. 13 W., S.L.B. & M., in the state of Utah.

William Houchein, Moundman.
Moundman.

Subscribed and sworn to before me this 30th.
day of July, 1900 }

Frank T. Roberts
U.S. Deputy Surveyor

We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Axman.
Axman.

Subscribed and sworn to before me this
day of , 1900 }



I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

Flagman.

Subscribed and sworn to before me this
day of , 1900 }



CORRECTIVE NOTES OF THE

SUBDIVISIONS OF T.35 S., R.13 W.

CHAINS

Survey commenced July 30, 1910 and executed with the instrument described in book "A", of this survey. The corrective survey of the E. boundary of the township will change the length of the line bet. secs. 12 and 13, I therefore proceed as follows:

At 7 h. 06m., a.m., l.m.t., I set off 37°47'N. on lat. arc, 38°40'N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 11-12-13 and 14, described in original field notes.

Thence I run

N.89°59'E., on a random line, bet. secs. 12 and 13.

40.00 Intersect the $\frac{1}{4}$ sec. cor., described in original field notes.

79.25 Intersect the cor. of secs. 12 and 13, heretofore described on the E. bdy. of the Tp.

There is no change of topography on this line.

See Original
Notes Book V
Page 9

July 30, 1910

Frank T. Rohrk
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts,
United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of ^{corrective}
the Subdivisions of T. 35 S., R. 13 W., S.L.B. & M., in the state of Utah,
showing the respective capacities in which they acted:

William H. De Wolfe, Chainman.
William Houchen, Chainman.
William Houchen, Moundman.
William Houchen, Moundman.
Axman.
Axman.
Flagman.

FINAL OATH OF ASSISTANTS.

William H. Wolfe, Chairman.
William Graham, Chairman.
William Forshee, Moundman.
Moundman.
Axman.
Axman.
Flagman.

Subscribed and sworn to before me this 30th day of July, 190 }

Frank T. Pofahl

U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, do
wholly swear that, in pursuance of a contract received from Thomas Hull,
United States Surveyor General for Utah, bearing date of the
5th day of April, 1900, I have well, faithfully, and truly, in my own
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for Utah, the Manual of Surveying Instructions, and the laws of the
United States, certified all those parts or portions of
the subdivisions of T. 35 S., R. 13 E..

of the Salt Lake Bas.

and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Frank T. Roberts

United States Deputy Surveyor

Subscribed by said Frank J. Polcak, and sworn to before me

this 10th day of August, 1990

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U. S. Surveyor-General
for Utah

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, September 8, 1910. *See*
correlative.

The foregoing field notes of the survey of the Subdivisions of T. 35 S., R. 13 E., of the Salt Lake Range and Meridian, Utah

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under his contract No. 313, dated April 1, 1909, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

United States Survey

I certify that the foregoing transcript of the field notes of the above-described surveys in _____
has been correctly copied from the original notes on file in this office.

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4-679.

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BOOK A-356

FIELD NOTES

OF THE SURVEY OF THE

EAST BOUNDARY

OF

TOWNSHIP NO. 35 SOUTH, RANGE NO. 15 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced August 15, 1909

Survey completed August 17, 1909

F. T. Roberts

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus B. Dalley, Moundman

George B. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "J" T. 35 S., R. 19 W.

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 15 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13 6
19	20	21	22	23	24 5
30	29	28	27	26	25 4
31	32	33	34	35	36 3

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman

, Chainman

Subscribed and sworn to before me this }
day of , 190 }
{



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman

, Moundman

Subscribed and sworn to before me this }
day of , 190 }
{



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this }
day of , 190 }
{



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this }
day of , 190 }
{



BOOK A-356

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS

Survey commenced August 15, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the $\frac{1}{4}$ sec.cor.bet.secs.31 and 36, on the F.bdy.of T.35 S., R.15 W., which is a volcanic stone, 8x10x5 ins. above ground, with marks nearly obliterated and bearing trees destroyed by timber men.

I re-established this cor. as follows:

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec.cor. marked on brass cap $\frac{1}{4}$ S 36 on W.half and S 31 on E.half, from which

A pinon, 6 ins. diam., bears S.64°E., 38 lks. dist., marked $\frac{1}{4}$ S 31 BT.

A cedar, 8 ins. diam., bears S.73°W., 35 lks. dist., marked $\frac{1}{4}$ S 36 BT.

The re-established cor. destroys all traces of the old cor.

At this re-established $\frac{1}{4}$ sec.cor., in approximate latitude 37°44'N., longitude 113°26'N., I set off 37°44'N., on lat. arc, 14°03'N., on decl.arc, and at 4h.04m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs.N. of my station.

At 9h.56m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

August 15 1909

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS

August 16: At 8.06m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7h.04m., a.m., l.m.t., I set off $37^{\circ}44'N.$, on lat.arc, $13^{\circ}52'N.$, on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N.of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'16''$ west and east of the meridian established by the Polaris observations: therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m. is N. $16^{\circ}00'W.$, the angle thus determined gives the mag. decl. $16^{\circ}00'E.$

From the $\frac{1}{4}$ sec.cor. already described, I run North, on a random line, along the east boundary of T.35 S., R.15 W., setting temp. $\frac{1}{4}$ sec. and sec.cors. at intervals of 40.00 chs., and at 238.62 chs., fall 24 lks. east of the $\frac{1}{4}$ sec.cor. bet.secs. 13 and 18, which is a granite stone, 4x4x3 ins. above ground, marked as described by the surveyor general.

This $\frac{1}{4}$ sec.cor. being below the limits in dimensions and there being no accessories, I re-establish it as follows:

Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S. 13 on W.half, S 18 on E.half, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

Pits impracticable.

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS

The falling answers to a correction of $0^{\circ}03'$ or 8 lks. west per mile, counting from the south end of the line.

August 16, 1909

August 17: At 7h.04m., a.m., l.m.t., I set off $37^{\circ}44'N.$, on lat.arc, $13^{\circ}33'W.$, on decl.arc, and determine a meridian with the solar at the re-established $\frac{1}{4}$ sec.cor. bet. secn. 31 and 36, on the E.bdy. of T.35 S., R.15 W., herebefore described.

Thence I run

$N.0^{\circ}03'W.$, bet. secn. 31 and 36.

In bottom of Bullion Canyon, over rocky and mountainous land, through scattering timber.

0.75 Leave canyon, course W.

Begin abrupt ascent over broken and rocky land over a series of lava ledges.

40.00 Set an iron post, 3 ft. long, 3 in. dia., in mound of stone and earth, for cor. of secn. 25-30-31 and 36, marked on brass cap T 35 S on N.half,
R 15 W S 25 in NW.,
R 14 W S 30 in NE.,
S 31 in SE., and
S 36 in SW. quadrant, from which

A cedar, 8 in. diam., bears N. $83^{\circ}W.$, 65 lks.dist., marked T 35 S R 14 W S 30 BT.

A cedar, 9 in. diam., bears S. $39^{\circ}E.$, 49 lks.dist., marked T 35 S R 14 W S 31 BT.

No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS

- Mountainous land on 40.00 chs.
It is impossible to set this post over 12 ins. in the ground
-
- N.0°03'W., bet. secs. 25 and 30.
- Ascend abruptly over lava ledges and slide rock, through scattering timber.
- 24.15 Rocky ridge, bears NW. and SE.
Abrupt descent.
- 33.00 Hollow, 400 ft. deep, course NW.
Abrupt ascent.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 on W. half, S 30 on E. half, from which
A cedar 10 ins. diam., bears East, 3 lks. dist., marked $\frac{1}{4}$ S 30 BT.
A pinon, 8 ins. diam., bears S.78°W., 29 lks. dist., marked $\frac{1}{4}$ S 25 BT.
48. This cor. is set on top of rocky spur, projecting NW.
Abrupt descent.
- 51.50 Hollow, 600 ft. deep, course NW.
Abrupt ascent.
- 60.50 Rocky spur, projects NW.
Abrupt descent.
- 73.00 Hollow, 900 ft. deep, course W.
Leave timber.
Abrupt ascent.
- 80.00 Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone, for cor. of secs. 19-24-25 and 30, marked on brass cap
T 35 S on N. half,
R 15 W S 24 in NW.,
R 14 W. S 19 in NE.,
S 30 in SE., and
S 25 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

August 17: At this cor. I set off 13° 28' N., on decl. arc, and at 0h.04m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 45' N.

N. 0° 05' W., bet. secs. 19 and 24.

Ascend abruptly over rocky and mountainous land.

4.00 Enter scattering timber.

19.00 Rocky spur, projects W.

Abrupt descent along steep west slope.

23.00 Head of hollow, course W.

Abrupt ascent.

27.00 Ridge, bears NW. and SE.

Abrupt descent.

31.00 Head of hollow, course NE.

Abrupt ascent.

34.00 Rocky spur, projects NE.

Abrupt descent.

36.50 Head of hollow, course NE.

Abrupt ascent.

38.75 Ridge, bears NE. and SW.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on W. half, and S 19 on E. half, from which

A pinon, 11 ins. diam., bears N. 53° E., 14 lks. dist., marked $\frac{1}{4}$ S 19 BT.

A pinon, 8 ins. diam., bears N. 81° W., 23 lks. dist.,

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS	
	marked $\frac{1}{4}$ S 24 BT.
	From this cor. Sand Springs, bears N.63°25'W.
45.25	Head of Sand Springs Hollow, course W.
	Ascend.
50.00	Rocky ridge, bears NW. and SE.
	From this point Sand Springs bears N.79°W.
	Abrupt descent.
65.50	Enter bottom of Chloride Canyon, 500 ft. deep, course NW.
66.25	Canyon road, bears NW. and SE.
67.50	Leave canyon, begin abrupt ascent.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 13-18-19 and 24, marked on brass cap, T 35 S on N. half, R 15 W S 13 in NW. R 14 W S 18 in NE., S 19 in SE., and S 24 in SW. quadrant, from which A cedar, 15 ins. diam., bears N.11°E., 260 lks. dist., marked T 35 S R 14 W., S 18 BT.
	No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.
	N.0°03'W., bet. secs. 13 and 18.
	Ascend abruptly over rocky and mountainous land, through scattering timber.
7.60	Rocky spur, projects W.
	Descend.
13.10	Hollow, 100 ft. deep, course SW.
	Abrupt ascent.

EAST BOUNDARY OF T.35 S., R.15 W.

CHAINS	
17.10	Rocky spur, projects SW. Descend.
33.15	Hollow, 100 ft. deep, course W. Ascend.
36.60	Rocky spur, projects W. Descend.
38.20	Hollow, 75 ft. deep, course W. Ascend.
38.62	Intersect the re-established $\frac{1}{4}$ sec.cor.betsecs.13 and 18, heretofore described. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 38.62 chs.

August 17, 1909

For table of latitudes and departures, see , retracement
of the Subdivisions of T.35 S., R.15 W.

For General Description see Subdivisions of T.35 S.,
R.15 W.


U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
 United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of
 showing the respective capacities in which they acted: *

or list of names and final oath of assistants see book "Z¹³" Chainman.
 T. 5 $\frac{1}{2}$ S., R. 12 W., Chainman.
 Moundman.
 Moundman.
 Axman.
 Axman.
 Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
 United States Deputy Surveyor, in surveying all
 those parts or portions of the
 of the
 meridian, of which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 is been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for
 Chainman.
 Chainman.

..... Moundman.
 Moundman.
 Axman.
 Axman.
 Flagman.

scribed and sworn to before me this }
 day of , 190 }
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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 34 S., R. 12 W.¹³

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1909

The foregoing field notes of the survey of the East Boundary of Township 35 South, Range 15 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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FILED

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BOOK A-356

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP No. 35 South, Range No. 15 West,

of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 313, dated April 5, 1909

Retracement

~~re~~ commenced August 18, 1909

Retracement

~~re~~ completed August 19, 1909*Frank T. Roberts, 1909*

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude J. Heist, "

Erastus B. Dalley, Moundman

George B. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 15 West.

6	5	4	3	2	1	
7	8	9	10	11	12	4
18	17	16	15	14	4	13
19	20	21	22	23	3	24
20	20	28	27	26	3	26
31	32	33	34	35	2	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, Sterling Wright and Claude L. Heist,

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey or retracement of subdivisions in Tps. 35 S., Rs. 14 & 15 W. and T. 36 S.R. 15 W., S.L.B. & M. in the state of Utah.

Sterling Wright, Chainman
Claude L. Heist, Chainman

Subscribed and sworn to before me this 18th.

day of August, 1909



Frank T. Roberts
U.S. Deputy Surveyor

We, Fractus B. Dally and George B. McConnell,

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey or retracement of subdivisions in Tps. 35 S. Rs. 14 & 15 W. and T. 36 S.R. 15 W., S.L.B. & M., in the state of Utah.

Fractus B. Dally, Moundman

George B. McConnell, Moundman

Subscribed and sworn to before me this 18th.

day of August, 1909



Frank T. Roberts
U.S. Deputy Surveyor

We, Joseph D. Foster and Earl V. Woolley,

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey or retracement of subdivisions of Tps. 35 S. Rs. 14 & 15 W., and T. 36 S.R. 15 W., S.L.B. & M., in the state of Utah.

Joseph D. Foster, Axman

Earl V. Woolley, Axman

Subscribed and sworn to before me this 18th.

day of August, 1909



Frank T. Roberts
U.S. Deputy Surveyor

I, Rodney B. Shelley,

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the retracement of the subdivisions of Tps. 35 S. Rs. 14 & 15 W., and T. 36 S., W. 15 P., S.L.B. & M., in the state of Utah.

Rodney B. Shelley, Flagman

Subscribed and sworn to before me this 18th.

day of August, 1909



Frank T. Roberts
U.S. Deputy Surveyor

RETRACEMENT OF THE SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

Survey commenced August 18, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the standard cor. of secs. 35 and 36, on the 7th. Stan. Par. South, which is a granite stone, 24x18x12 ins firmly set in a mound of stone, marked and witnessed as described by the surveyor general in approximate latitude $37^{\circ}43'N.$, longitude $113^{\circ}26'W.$, I set off $37^{\circ}43'N.$, on lat. arc, $13^{\circ}06'N.$, on decl. arc, and at 4h.04m., p.m., l.m.t., determine with the solar a meridian, and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of my station.

At 9h.45m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs. N. of my station.

August 18, 1909

August 19: At 6: a.m., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7h.04m., a.m., l.m.t., I set off $37^{\circ}43'N.$, on lat. arc, $12^{\circ}54'N.$, on decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'16''$ west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m. is N. $16^{\circ}00'W.$, the angle thus determined, gives the mag.decl. $16^{\circ}00'E.$

From the stan.sec.cor.already described, I run

North, retracing bet.secs.35 and 36.

40.28 Fall 6 lks.E. of the $\frac{1}{4}$ sec.cor.bet.secs.35 and 36, which is a flint stone, $18 \times 10 \times 4$ ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.

I continue on same line.

80.98 Fall 12 lks.E. of the cor.of secs.25-26-35 and 36, which is a granite stone, $18 \times 12 \times 6$ ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.

The course of this line is therefore N. $0^{\circ}05'W.$, and the distance, 80.98 chs.

East, retracing bet.secs.25 and 36.

41.44 Fall 28 lks.S. of the $\frac{1}{4}$ sec.cor.bet.secs.25 and 36, which is a granite stone, $15 \times 6 \times 4$ ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.

The course of this line is therefore N. $89^{\circ}36'E.$, and the distance 41.44 chs.

RETRACEMENT OF SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

From cor.of secs.25-26-35 and 36,

North, retracing bet.secs.25 and 26.

40.42 Fall 6 lks.E.of the $\frac{1}{4}$ sec.cor.bet.secs.25 and 26, which is a granite stone, 15x12x5 ins., firmly set in a stone mound, marked and witnessed as described by the surveyor general.

I continue on same line.

81.08 Fall 12 lks.E.of the cor.of secs.23-24-25 and 26, which is a granite stone, 15x8x4 ins., firmly set in a stone mound, marked and witnessed as described by the surveyor general.

The course of this line is therefore N.0°05'W., and the distance 81.08 chs.

North, retracing bet.secs.23 and 24.

40.12 Fall 7 lks.W.of the $\frac{1}{4}$ sec.cor.bet.secs.23 and 24, which is a granite stone, 12x8x5 ins.above ground, marked and witnessed as described by the surveyor general.

I continue on same line.

80.29 Fall 14.lks.W.of the cor.of secs.13-14-23 and 24, which is a granite stone, 8x8x7 ins.above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N.0°06'E., and the distance 80.29 chs.

August 19: At this cor.I set off 12°49'N., on decl.arc, and at On.04m., p.m., 1.m.t., observe the sun on the meridian, the resulting lat.is 37°46'N.

East, retracing bet.secs.13 and 24.

39.99 Fall 25 1/4 lks.S.of the $\frac{1}{4}$ sec.cor.bet.secs.13 and 24, which is a granite stone, 8x7x6 ins.above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N.89°39'E., and the distance 39.99 chs.

RETRACEMENT OF SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

North, retracing bet. secs. 13 and 14.

- 40.15 Fall 4 lks.W. of the $\frac{1}{4}$ sec.cor.bet.secs.13 and 14, which is a granite stone, 7x6x6 ins. above ground, marked and witnessed as described by the surveyor general.
I continue on same line.
- 80.30 Fall 7['] lks.W. of the cor.of secs.11-12-13 and 14, which is a granite stone, 6x9x4 ins. above ground, marked and witnessed as described by the surveyor general.
The course of this line is therefore N.0°03'E., and the distance 80.30 chs.

S.37°03'E., retracing bet.secs.12 and 13.

- 40.08 Intersect the $\frac{1}{4}$ sec.cor.bet.secs.12 and 13, which is a granite stone, 8x8x8 ins. above ground, marked and witnessed as described by the surveyor general.
I continue on same line.
- 79.48 Intersect the cor.of secs.7-12-13 and 18 on the E.bdy. of T.35 S., R.15 W., which is a granite stone, 5x8x4 ins. above ground, marked and witnessed as described by the surveyor general.

August 19, 1909

For General Description, see Subdivisions of
T.35 S., R.15 W.

BOUNDARIES OF PART OF T.35 S., R.15 W.
Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
S. Bdy. or 7 th. Stan. Par. S.	West	80.00				80.00
Bet. secs.						
35 & 36	N. 0° 05' W.	80.98	80.98			0.12
25 & 26	N. 0° 05' W.	81.08	81.08			0.12
23 & 24	N. 0° 06' E.	80.29	80.29			0.14
13 & 14	N. 0° 03' E.	80.30	80.30			0.07
N. Bdy 12 & 13	S. 87° 03' E.	79.48		4.09	79.37	
E. Bdy.	South	40.00		40.00		
	S. 0° 03' W.	238.62		238.62		0.24
	South	40.00		40.00		
Convergency					0.06	
Totals		322.65	322.71	79.88	80.24	79.88
Error in lat. and dep.			0.06			0.36

Frank Roberts
U. S. Deputy Surveyor

172

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Page**

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .

owing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z" ⁷ Chairman.

T. 36 S., R. 15 W. *Chairman*

— *admirer.*

Fragments.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all
those parts or portions of the.....

of the

meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____.

Chairman.

Chairman.

Moundman.

Moundman

Axiangan

1622

WUWAN



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 36 S., R. 15 W.

of the _____ meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, 190____

The foregoing field notes of the ~~survey work~~ retrace of Subdivisions Township 35 South, Range 15 West of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 313, dated April 5, 190_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracement surveys they describe, are hereby approved.

Thomas Kell
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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Page

4-679.

" Y "

BOOK A-356

FILED

JAN 7 1910

M. S. B.

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N S

TOWNSHIP 35 SOUTH, RANGE NO. 15 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 313, dated April 5, 1909

Survey commenced August 20, 1909

Survey completed August 20, 1909

6-161

Sals 1-78.52 ✓
CJ 5.93 ✓

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright,	Chainman
Claude L. Heist,	"
Erastus B. Dalley,	Moundman
George B. McConnell,	"
Joseph D. Foster,	Axman
Earl V. Woolley,	"
Rodney B Shelley	Flagman

For preliminary affidavits see book "E" Tp. 35 S., R. 17 W.

6-151

Volume

R0356

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 15 West,

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman

, Chainman

Subscribed and sworn to before me this _____
day of _____, 190 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman

, Moundman

Subscribed and sworn to before me this _____
day of _____, 190 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this _____
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this _____
day of _____, 190 }



BOOK A-356

SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

Survey commenced August 20, 1909 and executed with the instrument described in book "A", of this survey.

I know the instrument to be in adjustment, from recent observations made August 18 and 19, 1909, at the stan. cor. of secs. 35 and 36 on the S.bdy. of T.35 S., R.15 W., and recorded in book "X." of this survey.

At 7h.03m.a.m., l.m.t., I set off $37^{\circ}44'N.$ on lat.arc, $12^{\circ}35'N.$ on decl.arc, and determine a meridian with the solar at the $\frac{1}{4}$ sec.cor. bet. secs. 25 and 36, T.35 S., R. 15 W., heretofore described.

Knowing the line bet. secs. 25 and 36 will not close within limits on the E.bdy. of the Tp., I run

East, on a true line, bet. secs. 25 and 36.

Ascend abruptly over mountainous land and slide rock.

17.60 Rocky spur, projects SW.

Abrupt descent.

20.50 Hollow, 300 ft. deep, course SW.

Abrupt ascent over broken ledges.

38.72 Intersect E.bdy. of Tp., 128 lks. N. $0^{\circ}03'W.$, from the cor. of secs. 25-30-31 and 36, heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., in round of stone for closing cor. of secs. 25 and 36, marked on brass cap, T 35 S on N.half,

R 14 W S 30 CC S 31 on E.half, and

R 15 W S 25 S 36 on W.half, from which

A pinon, 6 ins. diam., bears S. $71^{\circ}W.$, 29 lks.dist., marked T 35 S R 15 W S 36 BT.

A pinon, 7 ins. diam., bears N. $54^{\circ}W.$, 51 lks.dist., marked T 35 S R 15 W S 25 BT.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

I destroy all marks on the cor. of secs. 25-30-31 and 36 that pertain to R.15 W.

SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS	
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 38.72 chs.
	From the cor. of secs. 23-24-25 and 26, heretofore described
	I run
	East, on a random line, bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect E.bdy. of Tp., 208 lks. N. 0° 03' W., from the cor. of secs. 19-24-25 and 30, heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone for closing cor. of secs. 24 and 25, marked on brass cap T 35 S on N. half,
	R 14 W S 19 CC S 30 on E. half, and
	R 15 W S 24 S 25 on W. half, from which A pinon, 7 ins. diam., bears N. 64° W., 62 lks. dist., marked T 35 S R 15 W S 24 BT.
	No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
	I destroy all marks on the cor. of secs. 19-24-25 and 30 that pertain to R. 15 W.
	Thence I run
	West, on a true line, bet. secs. 24 and 25.
	Descend abruptly over rocky and mountainous land, through scattering timber.
40.03	Bottom of hollow, 500 ft. below closing cor., course NW. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on N. half, S 25 on S. half, from which

SUBDIVISIONS OF T.35 S., R.15 W.

CHAINS

- A piñon, 6 ins. diam., bears S.33°E., 31 lks. dist., marked $\frac{1}{4}$ S 25 BT.
- A piñon, 8 ins. diam., bears N.38°W., 29 lks. dist., marked $\frac{1}{4}$ S 24 BT.
- Ancend.
- 43.55 Ridge, bears NW. and SE.
Descend along steep south slope.
- 45.00 Leave timber.
- 77.50 Hollow, 75 ft. deep, course NW.
Ancend.
- 79.00 Rocky spur, projects NW.
Descend.
- 80.06 The cor. of secs. 23-24-25 and 26,
land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and piñon.
Mountainous land on 80.06 chs.
- August 20: At this cor. I set off 12°29'N. on decl. arc, and at 0h.03m. p.m., l.m.t., observe the sun on the meridian the resulting lat. is 37°45'N.
-
- From the $\frac{1}{4}$ sec.cor. bet. secn. 13 and 24, heretofore described, the line bet. secs. 13 and 24 does not close within limits on the E.bdy. of the Tp., therefore I run East, on a true line, bet. secs. 13 and 24.
- Ancend over rocky and mountainous land, along steep north slope.
- 12.65 Spur, projects N.
Abrupt descent.
- 24.00 Enter bottom of Chloride Canyon, 300 ft. deep, course NW.
- 25.75 Canyon road, bears NW. and SE.
- 31.00 Leave canyon, begin abrupt ascent.
- 39.54 Intersect E.bdy. of Tp., N.0°03'W., 2.57 chs. from the cor.

SUBDIVISIONS OF T. 35 S., R. 15 W.

CHAINS

of secs. 13-18-19 and 24, heretofore described.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 13 and 24, marked on brass cap T 35 S on N. half,

R 14 W S 18 CC S 19 on E. half,

R 15 W S 13 S 24 on W. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

I destroy all marks on the cor. of secs. 13-18-19 and 24, that pertain to R. 15 W.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

No timber.

Mountainous land on 30.54 chs.

August 20, 1909

G E N E R A L D E S C R I P T I O N .

The portion of this township falling in this survey is rocky and mountainous, situated on the western end of the Iron Mountains, and is covered with a scattering growth of cedar and pinon timber.

The only water in this portion of the township is Sand Springs, in the NE. $\frac{1}{4}$ of sec. 24, this is a spring of pure water and is used for stock watering.

Gold and silver ore is found in this township but there is no work of any extent being prosecuted at the present time.

The deserted mining camp of Bullion is located in the NE $\frac{1}{4}$ of sec. 36, it consists of one miner's cabin which cannot be located from any point on any line.

I return secs. 24, 25, and 36 as mineral land.

GENERAL DESCRIPTION OF T.35 S., R.15 W.

CHAINS

There are no settlers in this township.

There are no indications of oil, oil wells, oil springs or seeps on this township.

Frank T. Robek
U.S. Deputy Surveyor

Volume

#

R0356

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

owing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z" ¹⁵, Chainman.

T. 34 S., R. 12 W. _____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Arman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all
those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

scribed and sworn to before me this _____
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the _____, United States Surveyor General for _____, day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 34 S., R. 12 W. ¹⁵

of the _____

meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190 }

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910

The foregoing field notes of the survey of _____ Subdivisional lines, Township 35 South, Range 15 West of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

James Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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191

4-679.

" Z "

BOOK A-356

FILED

JAN 10 1910

W.W.H.

FIELD NOTES

RE
OF THE SURVEY OF THE

7TH. STANDARD PARALLEL SOUTH,

through

TOWNSHIP NO. 35 SOUTH, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced August 20, 1909

Survey completed August 22, 1909

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright,..... Chainman

Earl V. Woolley,..... "

Warren Stratton,..... "

Erastus B. Dalley,..... Moundman

George B. McConnell,..... "

Joseph D. Foster,..... Axman

Rodney B. Shelley,..... Flagman

For preliminary affidavits see book "F" T. 35 S., R. 18 W.

6-161

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 14 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
10	9	7	5	4	2

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level a chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainmen

, Chainmen

Subscribed and sworn to before me this }
day of , 190 }


WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundmen

, Moundmen

Subscribed and sworn to before me this }
day of , 190 }


WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axmen

, Axmen

Subscribed and sworn to before me this }
day of , 190 }


I, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this }
day of , 190 }


RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, through R.14 W.

CHAINS

Survey commenced August 20, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m and p.m.hours with a meridian determined by observations on Polaris, I proceed as follows:

At the Standard cor.of Tps.35 S., Rs.13 and 14 W., heretofore described, in approximate latitude $37^{\circ}43'N.$ longitude $113^{\circ}19'W.$, I set off $37^{\circ}43'N.$ on lat.arc, $12^{\circ}27'N.$ on decl.arc, and at 4h.03m., p.m., l.m.t., determine with the solar a meridian, and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor. At 9h.36m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.N. of my station.

August 20, 1909

August 21: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening on which the meridian falls 0.3 ins.east of the mark determined by the solar.

At 7h.03m., a.m., l.m.t., I set off $37^{\circ}43'N.$, on lat.arc, $12^{\circ}15'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.3 ins.east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'16''$ west and east of the meridian established by the Polaris

RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, THROUGH R. 14 Went.

CHAINS

obnervations; therefore, I conclude that the adjustments of the instrument are unsatisfactory.

The magnetic bearing of the true meridian at 7h.30m. a.m. is N.16°00'W., the angle thus determined gives the mag. decl. 16°00'E.

From the stan.Tp.cor.already described, I retrace West, along the 7th.Stan.Par.S. and S.bdy.of sec.36: at 40.00 chs.no trace can be found of the old stan.+ sec. cor. and at 78.40 intersect the stan.cor.of secs.35 and 36, I continue my line west and find the line to be out of limits in chaining and several corners missing, until at 480.58 chs., intersect the stan.cor.of Tps.35 S.,Rs. 14 and 15 W., heretofore described.

This line being out of limits for chaining and there being no subdivisions dependent upon it I resurvey this line.

August 21, 1909

August 22: At 7h.03m., a.m., i.m.t., I set off 37°43'N., on lat.arc, 11°55'N., on decl.arc, and determine a meridian with the solar at the stan.cor.of Tps.35 S.,Rs.13 and 14 W., on the 7th.Stan.Par.S.

Thence I run

West, resurveying on S.bdy.of sec.36.

Ascend over rolling land, through sparse undergrowth.

- | | |
|-------|--|
| 2.50 | Enter scattering timber. |
| 27.50 | Begin abrupt ascent over mountainous land, bearing NE. and SW. through heavy timber. |
| 33.50 | Spur, projects SE. |
| | Descend. |
| 38.00 | Hollow, 100 ft. deep, course SE. |
| | Abrupt ascent. |

RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, through R.14 W.

CHAINS	
	Difference between measurement of 40.00 chs., by two sets of chainmen is 8 lks., position of middle point
	By 1st.set, 40.04 chs.,
	By 2nd.set, 39.96 chs., the mean of which is
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established stan. $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 36 on N.half; from which
	A cedar, 15 ins.diam., bears N.84°E., 76 lks.dist., marked S C $\frac{1}{4}$ S 36 BT.
	A cedar, 7 ins.diam., bears N.39°30'W., 100 lks.dist., marked S C $\frac{1}{4}$ S 36 BT.
	After diligent search no trace can be found of the old stan. $\frac{1}{4}$ sec.cor.
51.00	Ridge, bears NE. and SW.
	Descend.
54.00	Hollow, 75 ft.deep, course NE.
	Abrupt ascent.
64.00	Ridge, bears NE. and SW.
	Abrupt descent.
79.40	Intersect the stan.cor.of secs.35 and 36.
	Difference between measurement of 80.00 chs., by two sets of chainmen is 14 lks., position of middle point
	By 1st.set, 80.07 chs.,
	By 2nd.set, 79.93 chs., the mean of which is
80.00	Set an iron post, 3 ft.long, 3 ins.dia., in mound of stone and earth, for re-established stan.cor.of secs.35 and 36 marked on brass cap T 35 S S 35 in NW., and R 14 W S 36 in NE.quadrant, from which
	A cedar, 6 ins.diam., bears N.43°E., 28 lks.dist., marked T 35 S R 14 W S 36 BT.
	A cedar, 5 ins.diam., bears N.73°W., 30 lks.dist., marked T 35 S R 14 W S 35 BT.
	On account of natural obstacles it is impossible to set

RESURVEY OF THE 7TH STANDARD PARALLEL SOUTH, through R.14 WEST.

CHAINS	
	this post over 15 ins.in the ground.
	I destroy all traces of the old stan.sec.cor.
	Land, rolling and mountainous.
	Soil, rocky, 3rd.rate.
	Timber, cedar and pinon.
	Undergrowth, sage brush.
	Mountainous land or land heavily timbered on 52.50 chs.
	West, resurveying on S.bdy.of sec.35.
	Descend over mountainous land, through heavy timber.
3.50	Hollow, 75 ft.deep, course N.
	Ascend.
12.00	Spur, projects N.
	Descend.
21.00	Hollow, 75 ft.deep, course N.
	Ascend.
	Difference between measurement of 40.00 chs., by two sets of chainmen is 6 lks., position of middle point
	By 1st.set, 40.03 chs.,
	By 2nd.set, 39.97 chs., the mean of which is
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 35 on N.half, from which
	A cedar, 18 ins.diam., bears N.61°E., 53 lks.dist., marked S C $\frac{1}{4}$ S 35 BT.
	A cedar, 14 ins.diam., bears N.7°W., 48 lks.dist., marked S C $\frac{1}{4}$ S 35 BT.
	After diligent search, no trace can be found of the old stan. $\frac{1}{4}$ sec.cor.
48.00	Rocky spur, projects NE.
	Abrupt descent.
54.00	Hollow, 75 ft.deep, course N.
	Leave heavy timber, bears N.and S.

RESURVEY OF THE 7TH STANDARD PARALLEL SOUTH, through R.14 W.

CHAINS	
	Abrupt ascent.
58.00	Spur, projects N.
	Abrupt descent.
65.00	Hollow, 100 ft. deep, course N.
	Ascend along steep north slope.
75.00	Leave timber.
79.42	Intersect the stan.cor. of secs. 34 and 35. Difference between measurement of 80.00 chs., by two sets of chainmen is 12 lks., position of middle point By 1st.set, 80.06 chs., By 2nd.set, 79.94 chs., the mean of which is
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for re-established stan.cor. of secs. 34 and 35, marked on brass cap T 35 S S 34 in NW., and R 14 W S 35 in NE. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. I destroy all traces of the old stan.sec.cor. Land, mountainous. Soil, rocky, 3rd.rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.
	West, resurveying on S.bdy. of sec. 34. Ascend along steep north slope, over mountainous land, through dense undergrowth.
4.50	Enter scattering timber.
12.50	Ridge, bears N. and S. Abrupt descent.
15.00	Hollow, 75 ft. deep, course N. Abrupt ascent.
24.00	Spur, projects N. Abrupt descent.

RESURVEY OF THE 7TH STANDARD PARALLEL SOUTH. through R.14 W.

CHAINS	
31.00	Hollow, 100 ft. deep, course N. Abrupt ascent.
34.50	Rocky spur, projects NE. Abrupt descent. Difference between measurement of 40.00 chs., by two sets of chainmen is 14 lks., position of middle point By 1st.set, 40.07 chs., By 2nd.set, 39.93 chs., the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established stan. $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 34 on N.half, from which A pinon, 5 ins. diam., bears N.50°30' E., 63 lks.dist., marked S C $\frac{1}{4}$ S 34 BT. A pinon, 4 ins. diam., bears N.55°W., 56 lks.dist., marked S C $\frac{1}{4}$ S 34 BT. After diligent search, no trace can be found of the old stan. $\frac{1}{4}$ sec.cor.
43.00	Hollow, 100 ft. deep, course NE. Ascend.
44.00	Spur, projects NE. Descend.
46.50	Hollow, 150 ft. deep, course NE. Abrupt ascent. Enter heavy timber, bears NE. and SW.
72.00	Leave heavy timber, bears N. and S. Enter scattering timber.
79.10	Intersect the stan.cor. of secs. 33 and 34. Difference between measurement of 80.00 chs., by two sets of chainmen is 16 lks., position of middle point By 1st.set, 80.08 chs., By 2nd.set, 79.92 chs., the mean of which is
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for re-established stan.cor. of secs. 33 and 34

RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, through R.14 W.

CHAINS

marked on brass cap, T 35 S S 33 in NW., and
R 14 W S 34 in NE. quadrant, from which

A cedar, 7 ins. diam., bears N.27°E., 109 lks.dist.,
marked T 35 S R 14 W S 34 BT.

A pinon, 6 ins. diam., bears N.62°W., 123 lks.dist.,
marked T 35 S R 14 W S 33 BT.

I destroy all traces of the old stan.sec.cor.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Undergrowth, service berry and oak brush.

Mountainous land on 80.00 chs.

August 22: At this cor. I set off 11°50'N., on decl.arc,
and at 0h.03m., p.m., l.m.t., observe the sun on the
meridian, the resulting lat. is 37°43'N.

West, resurveying on S.bdy.of sec.33.

Ascend over mountainous land, through scattering timber.

3.00 Ridge, bears NW. and SE.

Descend.

7.50 Head of hollow, course SW.

Ascend.

10.00 Spur, projects S.

Abrupt descent.

25.00 Hollow, 150 ft. deep, course NW.

Abrupt ascent.

39.10 Intersect the old stan. $\frac{1}{4}$ sec.cor.

Difference between measurement of 40.00 chs., by two sets
of chainmen is 10 lks., position of middle point

By 1st.set, 40.05 chs.,

By 2nd.set, 39.95 chs., the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the
ground, for re-established stan. $\frac{1}{4}$ sec.cor., marked on
brass cap, $\frac{1}{4}$ S 33 on N.half, from which

RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, through R.14 W.

CHAINS	
	A pinon, 8 ins. diam., bears N.60°E., 121 lks. dist., marked S C $\frac{1}{4}$ S 33 BT.
	A pinon, 12 ins. diam., bears N.41°W., 76 lks. dist., marked S C $\frac{1}{4}$ S 33 BT.
	I destroy all traces of the old stan. sec.cor.
43.00	Ridge, bears N. and S. Abrupt descent.
54.50	South fork of Chloride Canyon, 200 ft. deep, course NW. Abrupt ascent.
79.25	Intersect the stan.cor. of secs.32 and 33. Difference between measurement of 80.00 chs., by two sets of chainmen is 8 lks., position of middle point, By 1st.set, 80.04 chs., By 2nd.set, 79.96 chs., the mean of which is
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for re-established stan.cor. of secs.32 and 33, marked on brass cap, T 35 S S 32 in NW., and R 14 W S 33 in NE. quadrant, from which A cedar, 5 ins. diam., bears N.59°E., 13 lks. dist., marked T 35 S R 14 W S 33 BT. A cedar, 7 ins. diam., bears N.47°30'W., 100 lks. dist., marked T 35 S R 14 W S 32 BT. I destroy all traces of the stan.sec.cor. Land, mountainous. Soil, rocky, 3rd.rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.

RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, through R. 14 W.

CHAINS	
	West, resurveying on S.bdy.of sec.32.
	Ascend abruptly along steep north slope through dense oak brush and scattering timber.
12.00	Rocky spur, projects N. Abrupt descent.
20.50	Hollow, 300 ft. deep, drains N. Abrupt ascent. Enter heavy timber, bears N. and S.
28.75	Spur, projects N. Abrupt descent.
38.00	Hollow, 250 ft. deep, course N. Abrupt ascent.
39.44	Old stan. $\frac{1}{4}$ sec.cor.on line. Difference bet.measurement of 40.00 chs., by two sets of chainmen is 12 lks., position of middle point By 1st.set, 40.06 chs., By 2nd.set, 39.94 chs., the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground, for re-established stan. $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 32 on N.half, from which A pinon, 6 ins.diam., bears N.82°W., 19 lks.dist., marked S C $\frac{1}{4}$ S 32 BT. A cedar, 5 ins.diam., bears N.9°W., 45 lks.dist., marked S C $\frac{1}{4}$ S 32 BT. I destroy all traces of the old stan. $\frac{1}{4}$ sec.cor.
50.75	Top of rocky knoll, 200 ft.high, on line. Abrupt descent.
61.00	Hollow, 200 ft. deep, course NE. Abrupt ascent.
75.00	Spur, projects S. Abrupt descent.
79.50	Head of hollow, course SE. Intersect the stan.sec.cor.

RESURVEY OF THE 7TH STANDARD PARALLEL SOUTH, through R. 14 W.

CHAINS

Ascend.

Difference between measurements of 80.00 chs., by two sets of chainmen is 18 lks., position of middle point

By 1st.set, 80.0° chs.,

By 2nd.set, 79.91 chs., the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for re-established stan.cor. of secs. 31 and 32, marked on brass cap, T 35 S S 31 in NW., and R 14 W S 32 in NE.quadrant, from which

A cedar, 8 ins. diam., bears N.19°E., 7 lks.dist., marked T 35 S R 14 W S 32 BT.

A pinon, 10 ins. diam.; bears N.75°W., 43 lks.dist., marked T 35 S R 14 W S 31 BT.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

I destroy all traces of the old stan.sec cor.

Land, mountainous.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Undergrowth, oak brush.

Mountainous land on 80.00 chs.

West, resurveying on S.bdy.of sec.31.

Ascend over rocky and mountainous land, through heavy timber.

7.00 Ridge, bears N. and S.

Abrupt descent.

16.25 Bottom of Bullion Canyon, 150 ft. deep, course NW.

Abrupt ascent.

28.00 Spur, projects NW.

Abrupt descent.

39.40 Intersect the stan.+ sec.cor.

Difference between measurement of 40.00 chs., by two sets

RESURVEY OF THE 7TH. STANDARD PARALLEL SOUTH, through R.14 W.

CHAINS

of chainmen is 10 lks., position of middle point
 By 1st.set, 40.05 chs.,
 By 2nd.set, 39.95 chs., the mean of which is
 40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the
 ground, for re-established stan. $\frac{1}{4}$ sec.cor., marked on brass
 cap, $\frac{1}{4}$ S 31 on N.half, from which
 A pinon, 12 ins.diam., bears N.73°W., 38 lks.dist.,
 marked S C $\frac{1}{4}$ S 31 BT.
 A pinon, 10 ins.diam., bears N.5°W., 38 lks.dist.,
 marked S C $\frac{1}{4}$ S 31 BT.
 I destroy all traces of the old stan. $\frac{1}{4}$ sec.cor.
 46.00 Hollow, 200 ft.deep, course NW.
 Abrupt ascent.
 53.40 Rocky spur, projects N.
 Abrupt descent.
 62.50 Hollow, 250 ft.deep, course N.
 Ascend abruptly along steep rocky north slope.
 Difference between measurement by two sets of chainmen
 to the stan.Tp.cor.is 20 lks., position of cor.
 By 1st.set, 80.48 chs.,
 By 2nd.set, 80.28 chs., the mean of which is
 80.38 Intersect the stan.cor.of Tps.35 S., Rs.14 and 15 W.,
 heretofore described.
 Land, mountainous.
 Soil, rocky, 3rd.and 4th.rate.
 Timber, cedar and pinon.
 Mountainous land on 80.38 chs.

August 22, 1909

For General Description, see Subdivisions of T.35 S., R.14 W.
 For table of latitudes and departures, see retracements of
 Subdivisions of T.35 S., R.14 W.

Frank T. Tolson
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the ^{re} 7th. Stan. S., through Rs. 14, 18, 19 and 20 W., S.L.B. & M., in the state of Utah showing the respective capacities in which they acted:

Sterling Wright, Earl V. Woolley, Chainmen.
 Warren Stratton, Claude L. Heist, Chainmen.
 Ernest E. Dalley, Moundman.
 George P. McConnell, Moundman.
 Joseph D. Foster, Axman.
 Rodney B. Shelley, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts, United States Deputy Surveyor, in surveying all those parts or portions of the ^{re} 7th. Standard Parallel South, through Rs. 14, 18, 19, and 20 W., of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Sterling Wright, Earl V. Woolley, Chainmen.
Warren Stratton, Claude L. Heist, Chainmen.
Ernest E. Dalley, Moundman.
George P. McConnell, Moundman.
Joseph D. Foster, Axman.
Rodney B. Shelley, Flagman.

Subscribed and sworn to before me this 22nd.

day of August, 1909

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OOEOOO

U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of the 5th day of April, 1909, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ^{re} surveyed all those parts or portions of the 7th Standard Parallel South, through Ranges 14, 18, 19 and 20 W.

..... of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes ^{as having} been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Frank T. Roberts
United States Deputy Surveyor

Subscribed by said Frank T. Roberts, and sworn to before me this 21 day of January 1910. *J. P. Howell*



U.S. Surveyor-General

APPROVAL.

for Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Salt Lake City, Utah, April 21, 1910. *Frank T. Roberts*

The foregoing field notes of the survey of ^{re} 7th Standard Parallel South, through Range 14 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank T. Roberts
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

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BOOK A-356

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FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 35 South, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced August 23, 1909

Survey completed August 31, 1909

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus B. Dalley, Moundman

George R. McConnell, "

Joseph J. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "E" T. 35 S., R. 17 W.

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 14 West,

6	5	4	3	2	1
7	44	8	29	9	10
42	41		27		11
18	40	17	26	16	14
39	38		25	19	15
19	37	20	24	21	22
76	35		23		18
30	34	29	22	28	27
33	32		21		17
81	30	32	20	33	34
				9	85
					2
					36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 190 }



CHAINS

Survey commenced August 23, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the re-established stan.cor. of secs. 35 and 36, heretofore described on the 7th. Stan. Par. South, in approximate latitude $37^{\circ}43'N.$, longitude $113^{\circ}20'W.$, I set off $37^{\circ}43'N.$, on lat.arc, $11^{\circ}26'N.$, on decl.arc, and at 4h.03m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

At 8h.24m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.N. of my station.

August 23, 1909

August 24: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7h.02m., a.m., l.m.t., I set off $37^{\circ}43'N.$, on lat.arc, $11^{\circ}15'N.$, on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station: this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0^{\circ}16'$ west and east of the meridian established by the Polaris

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m. is N. $16^{\circ}00'W.$, the angle thus determined gives the mag.decl. $16^{\circ}00'E.$

The course of the east boundary being N. $0^{\circ}07'E.$, I begin at the stan.cor.of secs.35 and 36, already described and run

N. $0^{\circ}06'E.$, bet.secs.35 and 36.

Descend over mountainous land, through heavy timber.

16.50 Enter bottom of hollow, 75 ft. deep, course NE.

Leave timber, bears NE. and SW.

27.00 Leave hollow, begin ascent through scattering timber.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

ground, for $\frac{1}{4}$ sec.cor.marked on brass cap, $\frac{1}{4}$ S 35 on W. half and S 36 on E. half, from which

A cedar, 8 ins. diam., bears S. $56^{\circ}W.$, 32 lks.dist., marked $\frac{1}{4}$ S 35 BT.

A cedar, 6 ins. diam., bears S. $33^{\circ}E.$, 23 lks.dist., marked $\frac{1}{4}$ S 36 BT.

53.00 Ridge, bears NE. and SW.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. dia, in mound of stone and earth, for cor.of secs.25-26-35 and 36, marked on brass cap T 35 S S 26 in NW.,

R 14 W S 25 in NE.,

S 36 in SE., and

S 35 in SW.quadrant, from which

A cedar, 8 ins. diam., bears N. $43^{\circ}E.$, 68 lks.dist., marked T 35 S R 14 W S 25 BT.

A cedar, 8 ins. diam., bears S. $40^{\circ}30'E.$, 103 lks.dist., marked T 35 S R 14 W S 36 BT.

A cedar, 7 ins. diam., bears S. $24^{\circ}W.$, 78 lks.dist., marked T 35 S R 14 W S 35 BT.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	A cedar, 10 ins. diam., bears N.70°W., 70 lks.dist., marked T 35 S R 14 W S 26 BT. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.
	East, on a random line, bet. secs. 25 and 36.
43.00	Set temp. $\frac{1}{4}$ sec.cor.
49.02	Intersect E.bdy. of Tp., 23 lks.N. of the re-established cor. of secs. 25-30-31 and 36, heretofore described. Thence I run
	N.89°50'W., on a true line, Bet. secs. 25 and 36.
	In bottom of hollow, course NE., gradual ascent over rolling land, through scattering timber.
50.00	Leave timber.
59.00	Leave hollow, begin abrupt ascent through scattering timber.
40.01	Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 25 on N.half, S 36 on S.half, from which A pinon, 7 ins. diam., bears N.58°W., 25 lks.dist., marked $\frac{1}{4}$ S 25 BT. A cedar, 18 ins. diam., bears S.15°W., 23 lks.dist., marked $\frac{1}{4}$ S 36 BT.
	On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
52.00	Spur, projects S.
	Descend.
57.00	Hollow, 75 ft. deep, course S.
	Ascend.
62.00	Spur, projects S.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	
	Descend.
66.50	Hollow, 75 ft. deep, course S.
	Ascend.
74.00	Ridge, beard NE. and SW.
	Descend.
80.02	The cor. of secs. 25-26-35 and 36.
	Land, rolling and mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 41.02 chs.
	N. 0°06' E., bet. secs. 25 and 26.
	Descend over mountainous land, through heavy timber.
34.00	Leave heavy timber, bears E. and W.
	Enter scattering timber.
40.00	Set an iron post, 3 ft. long, lin. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 on W. half, and S 25 on N. half, from which
	A cedar, 10 ins. diam., bears S. 36° E., 63 lks. dist., marked $\frac{1}{4}$ S 25 BT.
	A cedar, 8 ins. diam., bears S. 52° W., 124 lks. dist., marked $\frac{1}{4}$ S 26 BT.
73.00	Enter heavy timber, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 23-24-25 and 26, marked on brass cap T 35 S S 23 in NW., R 14 W S 24 in NE., S 25 in SE., and S 26 in SW. quadrant, from which
	A pinon, 14 ins. diam., bears N. 38° E., 38 lks. dist., marked T 35 S R 14 W S 24 BT.
	A pinon, 6 ins. diam., bears S. 33° E., 5 lks. dist., marked T 35 S R 14 W S 25 BT.
	A pinon, 12 ins. diam., bears S. 55° W., 25 lks. dist.,

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

- marked T 35 S R 14 W S 26 BT.
 A cedar, 9 ins. diam., bears N. 40° 30' W., 45 lks. dist.,
 marked T 35 S R 14 W S 23 BT.
 Land, mountainous.
 Soil, rocky, 3rd. rate.
 Timber, cedar and pinon.
 Mountainous land on 80.00 chs.
-
- S. 89° 50' E., on a random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect E. bdy. of Tp., 3 lks. S. of the re-established cor.
 of secs. 19-24-25 and 30, heretofore described.
 Thence I run
 N. 89° 51' W., on a true line,
 Bet. secs. 24 and 25.
 Descend over rocky and mountainous land.
 1.00 Head of hollow, course S.
 Ascend.
 4.00 Enter scattering timber.
 14.00 Ridge, bears N. and SW.
 Descend.
 40.02 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
 for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 on N. half, and
 S 25 on S. half, from which
 A pinon, 4 ins. diam., bears N. 28° E., 59 lks. dist.,
 marked $\frac{1}{4}$ S 24 BT.
 A pinon, 6 ins. diam., bears S. 76° E., 25 lks. dist.,
 marked $\frac{1}{4}$ S 25 BT.
 54.00 Leave timber, enter dense undergrowth.
 74.00 Enter heavy timber, bears N. and S.
 80.04 The cor. of secs. 23-24-25 and 26.
 Land, mountainous.
 Soil, rocky, 3rd. rate.
 Timber, cedar and pinon.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	
	Undergrowth, sage brush.
	Mountainous land on 80.04 chs.
	August 24: At this cor. I set off 11°09'N., on decl. arc, and at 0h.02m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37°45'N.
	N. 0°06'E., bet. secs. 23 and 24.
	Descend over rocky and mountainous land, through heavy timber.
35.00	Hollow, 100 ft. deep, course NE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on W. half, and S 24 on E. half, from which
	A pinon, 14 ins. diam., bears N. 10°E., 6 lks. dist., marked $\frac{1}{4}$ S 24 BT.
	A cedar, 7 ins. diam., bears S. 65°W., 44 lks. dist., marked $\frac{1}{4}$ S 23 BT.
71.00	Leave heavy timber, bears E. and W.
	Enter scattering timber.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 13-14-23 and 24, marked on brass cap T 35 S S 14 in NW., R 14 W S 13 in NE., S 24 in SE., and S 23 in SW. quadrant, from which
	A cedar, 5 ins. diam., bears N. 51°W., 70 lks. dist., marked T 35 S R 14 W S 13 BT.
	A cedar, 7 ins. diam., bears S. 2°45'W., 160 lks. dist., marked T 35 S R 14 W S 24 BT.
	No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	On account of natural obstacles it is impossible to set

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	
	this post over 15 ins.in the ground .
	Land, mountainous.
	Soil, rocky, 3rd.rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.
	S.89°51'E., on a random line,betsecs.13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
40.06	Intersect E.bdy.of Tp., 3 lks.S.of the re-established cor.of secs.13-18-19 and 24, heretofore described.
	Thence I run
	N.89°52'W., on a true line,
	Bet.secs.13 and 24.
	Descend over rocky and mountainous land,through scattering timber.
0.60	Hollow,75 ft.deep, course NE.
	Ascend.
0.00	Ridge, bears N.and S.
	Descend.
27.00	Hollow,75 ft.deep, course SW.
	Ascend.
35.00	Spur, projects SW.
	Abrupt descent.
40.03	Set an iron post,3 ft.long,1 in.dia.,36 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 13 on N. half,S 24 on S.half, from which
	A cedar,10 ins.diam,bears N 87°W.,50 lks.dist., marked $\frac{1}{4}$ S 13 BT.
	A cedar,6 ins.diam.,bears S.80°30'W.,206.lks.dist., marked $\frac{1}{4}$ S 24 BT.
41.50	Hollow,100 ft.deep, course NW.
	Abrupt ascent.
57.00	Ridge,bears NW.and SE.
	Abrupt descent.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	
66.75	Hollow, 150 ft. deep, course N. Abrupt ascent.
80.06	The cor. of secs. 13-14-23 and 24. Land, mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land on 80.06 chs.
	N.0°06'E., on a random line, bet. secs. 13 and 14.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
78.74	Fall 22 lks.W. of the cor. of secs. 11-12-13 and 14, which is a granite stone, 6x9x5 ins. above ground, marked and witnessed as described by the surveyor general. Thence I run
	S.0°16'W., on a true line, Bet. secs. 13 and 14.
	Descend over rocky and mountainous land, through scattering timber.
38.74	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 14 on W. half, S 13 on E. half, from which A cedar, 4 ins. diam., bears N.82°E., 54 lks.dist., marked $\frac{1}{4}$ S 13 BT. A cedar, 24 ins. diam., bears N.25°30'W., 151 lks.dist., marked $\frac{1}{4}$ S 14 BT.
40.00	Hollow, 100 ft. deep, course NW. Abrupt ascent.
72.25	Top of knoll, 150 ft. high, on line. Descend.
78.74	The cor. of secs. 13-14-23 and 24. Land, mountainous. Soil, rocky, 3rd. rate.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

Timber, cedar and pinon.
Mountainous land on 78.74 chs.

August 24, 1909

Preliminary to completing the subdivisions of this township I retrace that portion of the subdivisions dependent upon this work, notes of which are recorded in book " Z² " of this survey

August 27: At 7h.02m., a.m., l.m.t., I set off $37^{\circ}43'N.$, on lar.arc, $10^{\circ}12'N.$ on decl.arc, and determine a meridian with the solar at the re-established stan.cor. of secs. 34 and 35 heretofore described on the 7th. Stan.Par.South.

Thence I run

$N.0^{\circ}06'E.$, bet. secs. 34 and 35.

Abrupt descent over rocky and mountainous land, through dense undergrowth.

- | | |
|-------|--|
| 7.00 | Hollow, 100 ft. deep, course E. |
| | Abrupt ascent. |
| | Enter heavy timber, bears E. and W. |
| 14.00 | Spur, projects E. |
| | Abrupt descent. |
| 24.50 | Hollow, 100 ft. deep, course E. |
| | Ascend. |
| 27.00 | Ridge, bears E. and W. |
| | Descend. |
| 40.00 | Set an iron post, 3 ft. long 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 34 on W. half, and S 35 on E. half, from which |
| | A pinon, 6 ins. diam., bears $S.41^{\circ}E.$, 41 lks.dist., marked $\frac{1}{4}$ S 35 BT. |
| | A cedar, 8 ins. diam., bears $S.57^{\circ}W.$, 53 lks.dist., marked $\frac{1}{4}$ S 34 BT. |
| 62.00 | Hollow, 100 ft. deep, course NE. |

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	
	Ascend.
74.00	Begin abrupt ascent, bears NE. and SW. Over granite ledges.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 26-27-34 and 35, marked on brass cap, T 35 S S 27 in NW., R 14 W S 26 in NE., S 35 in SE., and S 34 in SW. quadrant, from which A cedar, 6 ins. diam., bears N. 67° E., 67 lks. dist., marked T 35 S R 14 W S 26 BT. A cedar, 7 ins. diam., bears S. 51° E., 47 lks. dist., marked T 35 S R 14 W S 35 BT. A cedar, 8 ins. diam., bears S. 84° W., 38 lks. dist., marked T 35 S R 14 W S 34 BT. A cedar, 6 ins. diam., bears N. 39° W., 17 lks. dist., marked T 35 S R 14 W S 27 BT. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Undergrowth, service berry and oak brush. Mountainous land on 80.00 chs.
	East, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 25-26-35 and 36. Thence I. run N. 89° 55' W., on a true line, Bet. secs. 26 and 35.
	Descend over mountainous land, through heavy timber.
17.00	Leave heavy timber bears N. and S.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

- Enter scattering timber.
- 40.03 Set an iron post, 3 ft. long, 1 in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 26 on N.half, S 35 on S.half, from which
A cedar, 6 ins. diam., bears N. 54° E., 100 lks.dist., marked $\frac{1}{4}$ S 26 BT.
A cedar, 28 ins. diam., bears S. $75^{\circ}30' E.$, 108 lks.dist., marked $\frac{1}{4}$ S 35 BT.
- 40.50 Hollow, 100 ft. deep, course NE.
- Ascend.
- 44.00 Enter heavy timber, bears NE. and SW.
- 73.00 Begin abrupt ascent over granite ledges, bearing NE. and SW.
- 80.06 The cor.of secs. 26-27-34 and 35.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 80.06 chs.
-
- N. $0^{\circ}06' E.$, bet.secs. 26 and 27.
Ascend over granite ledges, along steep east slope, through heavy timber.
- 30.00 Rocky spur, projects E.
Abrupt descent.
- 34.00 Hollow, 100 ft. deep, course E.
Abrupt ascent.
- 39.00 Rocky ridge, bears NE. and SW.
Descend abruptly along steep west slope over granite ledges.
- 40.00 Point for $\frac{1}{4}$ sec.cor. falls on steep ledge and cannot be set.
- 41.61 Set an iron post, 3 ft. long, 1 in dia., in mound of stone and earth for witness cor. for $\frac{1}{4}$ sec.cor., marked on brass cap T 35 S R 14 W WC $\frac{1}{4}$ on N.half, S 27 on W.half and S 26 on E.half, from which

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	
	A cedar, 8 ins. diam., bears S.72° E., 9 lks. dist., marked W C $\frac{1}{4}$ S 26 BT.
	A pinon, 10 ins. diam., bears S.15° W., 46 lks. dist., marked W C $\frac{1}{4}$ S 27 BT.
43.50	Hollow, 75 ft. deep, course W. Abrupt ascent along steep west slope.
47.50	Rocky spur, projects W. Abrupt descent.
74.00	Hollow, 300 ft. below spur, course NE. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked on brass cap T 35 S S 22 in NW., R 14 W S 23 in NE., S 26 in SE., and S 27 in SW. quadrants, from which
	A cedar, 7 ins. diam., bears N.55° E., 39 lks. dist., marked T 35 S R 14 W S 23 BT.
	A cedar, 8 ins. diam., bears S.67° E., 50 lks. dist., marked T 35 S R 14 W S 26 BT.
	A cedar, 8 ins. diam., bears S.71° W., 5 lks. dist., marked T 35 S R 14 W S 27 BT.
	A cedar, 7 ins. diam., bears N.69° W., 5 lks. dist., marked T 35 S R 14 W S 22 BT.
	Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

S.89°55'E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.04 Intersect N. and S. line, 5 lks.N. of the cor.of secs.
23-24-25 and 26.

Thence I run

N.89°53'W., on a true line,

Bet. secs. 23 and 26.

Descend over mountainous land, through heavy timber.

5.00 Hollow, 100 ft. deep, course N.

Ascend.

40.02 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 23 on N.
half, and S 26 on S.half, from which

A cedar, 8 ins. diam., bears S.33°E., 26 lks.dist.,

marked $\frac{1}{4}$ S 26 BT.

A cedar, 7 ins. diam., bears N.72°E., 56 lks.dist.,

marked $\frac{1}{4}$ S 23 BT.

58.00 Spur, projects NE.

Descend.

77.00 Hollow, 100 ft. deep, course NE.

Ascend.

80.04 The cor.of secs. 22-23-26 and 27.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

August 27: At this cor.I set off 10°07'N., on decl.arc,
and at 0h.02m., p.m., l.m.t., observe the sun on the
meridian, the resulting lat.is 37°45'N.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	N. 0° 06' E., bet. secs. 22 and 23. Ascend over rocky and mountainous land; through heavy timber.
15.00	Rocky ridge, bears NE. and SW. Descend along west slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on W. half, S 23 on E. half, from which A cedar, 9 ins. diam., bears S. 60° W., 11 lks. dist., marked $\frac{1}{4}$ S 22 BT. A cedar, 12 ins. diam., bears N. 75° E., 19 lks. dist., marked $\frac{1}{4}$ S 23 BT.
75.00	Hollow, 100 ft. deep, course NW. Ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked on brass cap T 35 S S 15 in NW., R 14 W S 14 in NE., S 23 in SE., and S 22 in SW. quadrant, from which A cedar, 8 ins. diam., bears N. 64° 30' E., 94 lks. dist., marked T 35 S R 14 W S 14 BT. A cedar, 7 ins. diam., bears S. 72° E., 68 lks. dist., marked T 35 S R 14 W S 23 BT. A cedar, 9 ins. diam., bears S. 36° W., 44 lks. dist., marked T 35 S R 14 W S 22 BT. A cedar, 10 ins. diam., bears N. 52° W., 110 lks. dist., marked T 35 S R 14 W S 15 BT. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	
	S.89°53'E., on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.96	Intersect N. and S. line, 7 lks.S. of the cor. of secs. 13-14-23 and 24.
	Thence I run
	N.89°56'W., on a true line,
	Bet. secs. 14 and 23.
	Ascend over rocky and mountainous land, through scattering timber.
0.75	Rocky spur, projecting south, from rocky knoll.
	Abrupt descent.
16.00	Hollow, 100 ft. deep, course N.
	Abrupt ascent.
23.00	Spur, projects SE.
	Descend.
26.00	Same hollow, 75 ft. deep, course SE.
	Abrupt ascent.
39.98	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 14 on N. half, and S 23 on S. half, from which
	A cedar, 8 ins. diam., bears S.5°30'W., 26 lks.dist., marked $\frac{1}{4}$ S 23 BT.
	A cedar, 5 ins. diam., bears N.76°W., 55 lks.dist., marked $\frac{1}{4}$ S 14 BT.
65.00	Ridge, bears NE. and SW.
	Abrupt descent.
71.00	Enter heavy timber, bears N. and S.
79.96	The cor. of secs. 14-15-22 and 23.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 79.96 chs.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	N. 0° 06' E., on a random line, bet. secs. 14 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.81	Fall 33 lks. E. of the cor. of secs. 10-11-14 and 15, heretofore described. Thence I run S. 0° 08' E., on a true line, Bet. secs. 14 and 15. Ascend abruptly over broken granite ledges, through scattering timber.
23.15	Rocky ridge, bears NW. and SE. Descend abruptly over granite ledges.
38.81	Set a granite stone, 30x24x24 ins., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A cedar, 8 ins. diam., bears N. 82° E., 57 lks. dist., marked $\frac{1}{4}$ S 14 BT. A cedar, 12 ins. diam., bears N. 28° W., 88 lks. dist., marked $\frac{1}{4}$ S 15 BT.
	Note: The surface of the ground being such that it is impossible to comply with the Manual in the setting of iron posts, I therefore set a stone for the $\frac{1}{4}$ sec. cor.
59.00	Hollow, 100 ft. deep, course NW. Leave granite ledges. Enter heavy timber, bears NW. and SE. Abrupt ascent.
66.10	Spur, projects NW. Descend.
78.81	The cor. of secs. 14-15-22 and 23. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 78.81 chs.

August 27, 1909

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

August 28: At 7h.01m., a.m., l.m.t., I set off $37^{\circ}44'W.$, on Int. arc, $9^{\circ}51'W.$, on decl. arc, and determine a meridian with the solar at the cor. of secn. 27-28-33 and 34, described in notes of resurvey of subdivisions this Tp. Hence I run

East, on a random line, bet. secn. 27 and 34.

40.00 Set temp. & sec. cor.

40.12 Intercept N. and S. line, 7 lmn. N. of the cor. of secn. 26-27-33 and 34.

Hence I run

$N.89^{\circ}57'W.$, on a true line,

Bet. secn. 27 and 34.

Cross abruptly over rocky and mountainous land, through heavy timber.

40.15 Rocky spur, projects S.

Abrupt descent.

40.00 Hollow, 300 ft. deep, courses S.

Abrupt ascent.

37.00 Ridge, bears N. and S.

Abrupt descent.

30.50 Head of hollow, courses S.

Abrupt ascent.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 inn. in the ground, for & sec. cor., marked on brass cap, & S 27 on N. half, and S 34 on S. half, from which

A pinon, 12 in. diam., bears $9.54^{\circ}E.$, 22 lmn. dist., marked & S 27 BT.

A pinon, 12 in. diam., bears $5.74^{\circ}E.$, 42 lmn. dist., marked & S 34 BT.

40.00 Ridge, bears NE. and SW.

Abrupt descent.

36.50 Hollow, 600 ft. deep, courses N.

Abrupt ascent.

30.12 The cor. of secn. 27-28-33 and 34.

Land, mountainous.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

- Soil, rocky, 3rd. and 4th. rate.
 Timber, cedar and pinon.
 Mountainous land on 80.12 chs.
-
- From the cor. of secs. 21-22-27 and 28, described in notes of resurvey of subdivisions this Tp., I run S. 89° 57' E., on a random line, bet. secs. 22 and 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.16 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 22-23-26 and 27.
 Thence I run
 N. 89° 56' W., on a true line,
 Bet. secs. 22 and 27.
- Ascend over mountainous land, through heavy timber.
- 18.30 Rocky ridge, bears NE. and SW.
 Abrupt descent.
- 23.00 Foot of abrupt descent, bears NE. and SW.
 Descend over rolling land.
- 34.00 Wash, 150 lks. wide, 10 ft. deep, course N.
- 40.08 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 22 on N. half, and S 27 on S. half, from which
 A cedar, 5 ins. diam., bears S. 17° E., 56 lks. dist.,
 marked $\frac{1}{4}$ S 27 BT.
 A pinon, 12 ins. diam., bears N. 64° E., 38 lks. dist.,
 marked $\frac{1}{4}$ S 22 BT.
- 62.00 Wash, 200 lks. wide, 15 ft. deep, course NE.
 Begin ascent over rolling land.
- 80.16 The cor. of secs. 21-22-27 and 28.
 Land, mountainous and rolling.
 Soil, rocky, 3rd. and 4th. rate.
 Timber, cedar and pinon.
 Mountainous land or heavily timbered land on 80.16 chs.
-

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

From the cor. of secs. 15-16-21 and 22, described in notes of resurvey or subdivisions this Tp., I run S.89°56'E., on a random line, bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.18 Intersect N. and S. line, 14 lks.S. of the cor. of secs. 14-15-22 and 23.

Thence I run

S.89°58'W., on a true line,
Bet. secs. 15 and 22.

Descend over rocky land, through heavy timber.

4.00 Hollow, 100 ft. deep, course NW.

Ascend over rolling land.

53.50 Wash, 200 lks. wide, 8 ft. deep, course N.

40.09 Set an iron post, 3 ft. long, 1 in. dia, 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S. 15 on N. half, and S. 22 on S. half, from which

A cedar, 9 ins. diam., bears N.28°E., 113 lks. dist.,
marked $\frac{1}{4}$ S. 15 BT.

A cedar, 10 ins. diam., bears S.84°W., 79 lks. dist.,
marked $\frac{1}{4}$ S. 22 BT.

67.50 Wash, 1.00 ch. wide, 10 ft. deep, course NE.

80.18 The cor. of secs. 15-16-21 and 22.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Heavily timbered land on 80.18 cha.

August 28: At this cor. I set off 9°45'N., on decl. arc, and at Oh.01m., p.m., 1.m.t., observe the sun on the meridian the resulting lat. is 37°46'N.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	
	From the re-established stan.cor. of secs. 32 and 33, heretofore described, I run N. 0° 04' E., bet. secs. 32 and 33.
	Descend abruptly over rocky and mountainous land, through dense undergrowth and scattering timber.
19.00	South fork of Chloride Canyon, 200 ft. deep, course NW. Abrupt ascent.
33.00	Ridge, bears NW. and SE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 32 on W. half, and S 33 on E. half, from which A pinon, 5 ins. diam., bears N. 88° E., 23 lks. dist., marked $\frac{1}{4}$ S 33 BT. A cedar, 8 ins. diam., bears N. 20° W., 12 lks. dist., marked $\frac{1}{4}$ S 32 BT.
43.00	Hollow, 100 ft. deep, course NW. Begin abrupt ascent along steep rocky west slope.
45.00	Enter heavy timber, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia, 24 ins. in the ground, for cor.of secs. 28-29-32 and 33, marked on brass cap T 35 S S 29 in NW., R 14 W S 28 in NE., S 33 in SE., and S 32 in SW. quadrant, from which A pinon, 14 ins. diam., bears N. 24° E., 69 lks. dist., marked T 35 S R 14 W S 28 BT.
	A pinon, 12 ins. diam., bears S. 70° E., 31 lks. dist., marked T 35 S R 14 W S 33 BT.
	A pinon, 6 ins. diam., bears S. 47° W., 79 lks. dist., marked T 35 S R 14 W S 32 BT.
	A cedar, 6 ins. diam., bears N. 45° W., 14 lks. dist., marked T 35 S R 14 W S 29 BT.
	Land, mountainous.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

- Soil rocky, 3rd. and 4th. rate.
- Timber, cedar and pinon.
Undergrowth, service berry and oak brush.
Mountainous land on 80.00 chs.
-
- East, on a random line, bet. secs. 28 and 33.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
27-28-33 and 34.
- Thence I run
S. $89^{\circ}57'W.$, on a true line,
Bet. secs. 28 and 33.
- Ascend abruptly over rocky and mountainous land, through heavy timber.
- 5.00 Ridge, bears NW. and SE.
Abrupt descent.
- 17.00 North fork of Chloride Canyon, 600 ft. deep, course NW.
Abrupt ascent.
- 30.30 Spur, projects NW.
Abrupt descent.
- 40.05 Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, and S. 33 on S. half, from which
A pinon, 18 ins. diam., bears N. $50^{\circ}E.$, 49 lks. dist.,
marked $\frac{1}{4}$ S 28 BT.
A pinon, 5 ins. diam., bears S. $27^{\circ}E.$, 7 lks. dist.,
marked $\frac{1}{4}$ S 33 BT.
- On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
- 43.00 Hollow, 500 ft. deep, course NW.
Abrupt ascent.
- 65.50 Rocky ridge, bears NW. and SE.
Abrupt descent.
- 80.10 The cor. of secs. 28-29-32 and 33.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	<p>Land, mountainous.</p> <p>Soil, rocky, 3rd. and 4th. rate.</p> <p>Timber, cedar and pinon.</p> <p>Mountainous land on 80.10 chs.</p>
	August 28, 1909
	<p>August 29: At 7h.01m., a.m., l.m.t., I set off $37^{\circ}44'N.$, on lat.arc, $9^{\circ}30'N.$, on decl.arc, and determine a meridian with the solar at the cor.of secs. 28-29-32 and 33.</p> <p>Thence I run</p> <p style="text-align: center;">$N.0^{\circ}04'E.$, betsecs. 28 and 29</p> <p>Ascend abruptly over rocky and mountainous land, along steep west slope, through heavy timber.</p>
10.00	<p>Rocky ridge, bears NW. and SE.</p> <p>Abrupt descent.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 29$ on W. half, and S 28 on E. half, from which</p> <p>A cedar, 14 ins. diam., bears $S.9^{\circ}E.$, 38 lks.dist., marked $\frac{1}{4} S 28$ BT.</p> <p>A cedar, 13 ins. diam., bears $S.16^{\circ}30'W.$, 37 lks.dist., marked $\frac{1}{4} S 29$ BT.</p>
45.50	<p>North fork of Chloride Canyon, 500 ft. deep, course NW.</p> <p>Abrupt ascent.</p>
70.00	<p>Rocky ridge, bears NW. and SE.</p> <p>Descend abruptly along steep east slope.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs. 20-21-28 and 29, marked on brass cap T 35 S S 20 in NW.,</p> <p>R 14 W S 21 in NE.,</p> <p>S 28 in SE., and</p> <p>S 29 in SW. quadrant, from which</p> <p>A pinon, 6 ins. diem., bears $N.39^{\circ}E.$, 85 lks.dist., marked T 35 S R 14 W S 21 BT.</p>

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

A pinon, 10 ins. diam., bears S.46° E., 58 lks. dist.,
marked T 35 S R 14 W S 28 BT.

A cedar, 5 ins. diam., bears S.85° W., 6 lks. dist.,
marked T 35 S R 14 W S 29 BT.

A pinon, 5 ins. diam., bears N.55° W., 59 lks. dist.,
marked T 35 S R 14 W S 20 BT.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

N.89°57'E., on a random line, bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
21-22-27 and 28.

Thence I run

S.89°54'W., on a true line,
Bet. secs. 21 and 28.

Ascend over rocky and mountainous land, through heavy
timber.

29.00 Rocky spur, projects N.

Abrupt descent.

40.03 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on N.
half and S 28 on S. half, from which

A pinon, 6 ins. diam., bears N.24° W., 37 lks. dist.,
marked $\frac{1}{4}$ S 21 BT.

A pinon, 7 ins. diam., bears S.61° W., 20 lks. dist.,
marked $\frac{1}{4}$ S 28 BT.

42.00 Hollow, 200 ft. deep, course N.

Abrupt ascent.

51.00 Spur, projects N.

Abrupt descent.

66.00 Hollow, 200 ft. deep, course NE.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	
	Abrupt ascent.
80.06	The cor. of secs. 20-21-28 and 29: Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 80.06 chs.
	N. 0° 04' E., bet. secs. 20 and 21. Descend abruptly over rocky and mountainous land, along steep east slope, through heavy timber.
24.00	Hollow, 200 ft. below sec. cor., course NE. Ascend.
32.00	Ridge, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 20 on W. half and S 21 on E. half, from which A cedar, 11 ins. diam., bears S. 75° E., 21 lks. dist., marked $\frac{1}{4}$ S 21 BT. A cedar, 12 ins. diam., bears S. 27° W., 35 lks. dist., marked $\frac{1}{4}$ S 20 BT.
72.50	Hollow, 100 ft. deep, course W. Abrupt ascent.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked on brass cap T 35 S S 17 in NW., R 14 W S 16 in NE., S 21 in SE., and S 20 in SW. quadrant, from which A pinon, 10 ins. diam., bears N. 16° 30' E., 42 lks. dist., marked T 35 S R 14 W S 16 BT. A cedar, 5 ins. diam., bears S. 30° E., 188 lks. dist., marked T 35 S R 14 W S 21 BT. A cedar, 10 ins. diam., bears S. 87° W., 102 lks. dist.,

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

marked T 35 S R 14 W S 20 BT.

A cedar, 5 in. diam., bears N.65°W., 105 lks. dist.,

marked T 35 S R 14 W S 17 BT.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

August 29: At this cor. I set off 9°24'N., on decl. arc, and at 9h.01m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37°46'N.

N.82°54'E., on a random line, bet. noon. 16 and 21.

40.00 Set temp. & sec. cor.

80.00 Intersect N. and S. line, 16 lks. N. of the cor. of neck.
16-10-21 and 22.

Thence I run

N.82°54'E., on a true line,

Set. noon. 16 and 21.

Ascend over rocky and mountainous land, through heavy timber.

15.00 Spur, projecting SW.

Descend.

37.00 Hollow, 100 ft. deep, courses SW.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 in. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 16 on N. half, 3 21 on S. half, from which

A cedar 10 in. diam., bears N.67°E., 102 lks. dist.,
marked $\frac{1}{2}$ S 16 BT.

A cedar, 6 in. diam., bears S.75°E., 120 lks. dist.,
marked $\frac{1}{2}$ S 21 BT.

40.00 Ridge, bears N. and S.

Corrective
tes Book 2
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CHAINS	
	Abrupt descent.
58.00	Hollow, 100 ft. deep, course N.
	Abrupt ascent.
77.00	Ridge, bears N. and S.
	Descend.
80.06	The cor. of secs. 16-17-20 and 21.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	Timber, cedar and pinon.
	Mountainous land on '80.06 chs.
	<hr/>
	N. 0° 04' E., bet. secs. 16 and 17.
	Ascend over rocky and mountainous land, through heavy timber.
6.00	Spur, projects NW.
	Descend.
9.50	Head of hollow, course NW.
	Ascend.
18.25	Ridge, bears NW. and SE.
	Leave heavy timber, bears NW. and SE., enter scattering timber.
	Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on W. half, and S 16 on E. half, from which
	A cedar, 6 ins. diam., bears N. 31° E., 109 lks. dist., marked $\frac{1}{4}$ S 16 BT.
	A cedar, 10 ins. diam., bears N. 42° 30' W., 140 lks. dist., marked $\frac{1}{4}$ S 17 BT.
42.50	Hollow, 150 ft. deep, course NW.
	Abrupt ascent.
64.00	Ridge, bears NW. and SE.
	Abrupt descent along steep E. slope.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

- 79.00 Hollow, 75 ft. deep, course E.
Abrupt ascent along steep east slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth for cor. of secs. 8-9-16 and 17, marked on brass cap
T 35 S S 8 in NW.,
R 14 W S 9 in NE.,
S 16 in SE., and
S 17 in SW. quadrant, from which
A pinon, 4 ins. diam., bears S. 9° W., 85 lks. dist.,
marked T 35 S R 14 W S 17 BT.
A cedar, 5 ins. diam., bears N. 42° W., 101 lks. dist.,
marked T 35 S R 14 W S 8 BT.
No other trees within limits and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
On account of natural obstacles it is impossible to set
this post over 15 ins. in the ground.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 80.00 chs.
-
- S. 89° 59' E., on a random line, bet. secs. 9 and 16.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.86 Intersect west bdy. of sec. 10, 65 lks. N. of the cor. of
secs. 9-10-15 and 16, heretofore described.
Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth for closing cor. of secs. 9 and 16, marked on brass cap, T 35 S R 14 W on N. half,
S 10 CC S 15 on E. half and
S 9 S 16 on W. half, from which
A cedar, 6 ins. diam., bears S. 41° W., 152 lks. dist.,
marked T 35 S R 14 W S 16 BT.

	CHAINS	A cedar, 6 ins. diam., bears N. 45° 30' W., 77 lks. dist., marked T 35 S R 14 W S 9 BT. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. I destroy all marks on the cor. of secs. 9-10-15 and 16 that pertain to secs. 9 or 16. Thence I run N. 89° 59' W., on a true line, bet. secs. 9 and 16. Gradual ascent over rolling land.
3.80		Wash, 1.00 ch. wide, 8 ft. deep, course NW.
12.00		Begin abrupt ascent over rocky and mountainous land, bears N. and S.
24.40		Rocky spur, projects N. Abrupt descent, over broken ledges and slide rock.
31.50		Hollow, 100 ft. deep, course N. Enter scattering timber. Ascend.
36.80		Spur, projects N. Descend.
39.93		Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 9 on N. half and 16 on S. half, from which A cedar, 12 ins. diam., bears S. 79° E., 24 lks. dist., marked $\frac{1}{4}$ S 16 BT.
		A cedar, 10 ins. diam., bears N. 61° E., 15 lks. dist., marked $\frac{1}{4}$ S 9 BT.
41.80		Hollow, 75 ft. deep, course N. Ascend.
45.80		Spur, projects NW. Descend.
51.75		Hollow, 75 ft. deep, course NW. Ascend.
57.85		Spur, projects N. Descend.
67.00		Hollow, 75 ft. deep, course N. Ascend.

SUBDIVISIONS OF T.35 S.; R.14 W.

CHAINS

- 68.80 Rocky spur, projects N.
Descend.
- 71.85 Hollow, 200 ft. deep, course N.
Abrupt ascent. Leave scattering timber.
- 79.86 The cor. of secs. 8-9-16 and 17.
Land, Mountainous and rolling.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 67.86 chs.
-
- N.0°04'E., on a random line, bet. secs. 8 and 9.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect S.bdy. of sec. 4, 82 lks.E. of the cor. of secs. 4-5-8 and 9, heretofore described.
Set an iron post, 3 ft. long, 2 ins.dia., in mound of stone and earth, for closing cor. of secs. 8 and 9, marked on brass cap, T 35 S R 14 W S 5 CC S 4 on N.half, and S 8 S 9 on S.half, from which
A cedar, 5 ins.diam., bears S.39°E., 24 lks.dist., marked T 35 S R 14 W S 9 BT.
A cedar, 24 ins.diam., bears S.55°W., 99 lks.dist., marked T 35 S R 14 W S 8 BT.
On account of natural obstacles it is impossible to set this post over 12 ins.in the ground.
I destroy all marks on the cor. of secs. 4-5-8 and 9, that pertain to secs. 8 or 9.
Thence I run
S.0°04'W., on a true line, bet. secs. 8 and 9.
Ascend over rocky and mountainous land, through scattering timber.
- 3.50 Rocky spur, projects NE.
Abrupt descent.
- 10.50 Hollow, 100 ft. deep, course NE.
Ascend.
- 33.50 Rocky spur, projects NE.

Corrected
Book 2,
Page 2.

CHAINS	
	Descend along steep rocky east slope.
39.00	Hollow, 200 ft. deep, course NE.
	Ascend.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on W. half, and S 9 on E. half, from which
	A pinon, 8 ins. diam., bears N. 54° W., 50 lks. dist., marked $\frac{1}{4}$ S 8 BT.
	A pinon, 5 ins. diam., bears N. 53° E., 41 lks. dist., marked $\frac{1}{4}$ S 9 BT.
62.00	Leave timber.
68.00	Rocky ridge, bears NE. and SW.
	Descend abruptly over granite ledges.
74.00	Hollow, 100 ft. deep, course E.
	Abrupt ascent.
77.00	Spur, projects E.
	Descend along steep east slope.
80.02	The cor. of secs. 8-9-16 and 17.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.02 chs.

August 29, 1909

August 30 : At 7 h. 01 m., a.m., l.m.t., I set off 37° 43' N. on lat. arc, 9° 09' N., on decl. arc, and determine a meridian with the solar at the re-established standard cor. of secs. 31 and 32, heretofore described, on the 7th. Standard Parallel South.

Thence I run

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

N.0°04'E., bet. secs. 31 and 32.

Descend over rocky and mountainous land, through heavy timber.

1.00 Hollow, 50 ft. deep, course SE.

Abrupt ascent.

32.66 Ridge, bears NE. and SW.

Leave heavy timber, bears NE. and SW.

Abrupt descent through scattering timber.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31 on W. half, and S 32 on E. half; from which

A cedar, 4 ins. diam., bears N.30°E., 92 lks. dist., marked $\frac{1}{4}$ S 32 BT.

A cedar, 5 ins. diam., bears S.62°W., 72 lks. dist., marked $\frac{1}{4}$ S 31 BT.

58.00 Hollow, 200 ft. deep, course NW.

Abrupt ascent.

65.00 Spur, projects NW.

Enter heavy timber, bears NW. and SE.

Abrupt descent.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 29-30-31 and 32, marked on brass cap T 35 S S 30 in NW.,

R 14 W S 29 in NE.,

S 32 in SE., and

S 31 in SW. quadrant, from which

A pinon, 7 ins. diam., bears N.10°E., 49 lks. dist., marked T 35 S R 14 W S 29 BT.

A pinon, 12 ins. diam., bears S.42°E., 17 $\frac{1}{2}$ lks. dist., marked T 35 S R 14 W S 32 BT.

A pinon, 10 ins. diam., bears S.29°W., 33 lks. dist., marked T 35 S R 14 W S 31 BT.

A pinon, 10 ins. diam., bears N.19°W., 8 lks. dist.,

CHAINS

- marked T 35 S R 14 W S. 30 BT.
- On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
- Land, mountainous.
- Soil, rocky, 3rd. and 4th. rate.
- Timber, cedar and pinon.
- Mountainous land on 80.00 chs.
-
- East, on a random line, bet. secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.92 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 28-29-32 and 33.
- Thence I run
- S. 89° 56' W., on a true line,
- Bet. secs. 29 and 32.
- Descend abruptly over rocky and mountainous land, through heavy timber.
- 18.00 Hollow, 200 ft. deep, course SW.
- Abrupt ascent.
- 21.00 Spur, projects SW.
- Abrupt descent.
- 39.96 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, and S 32 on S. half, from which
- A cedar, 5 ins. diam., bears N. 53° W., 14 lks. dist., marked $\frac{1}{4}$ S 29 BT.
- A pinon, 5 ins. diam., bears S. 64° E., 8 lks. dist., marked $\frac{1}{4}$ S 32 BT.
- 41.00 South fork of Chloride Canyon, 400 ft. deep, course NW.
- Abrupt ascent.
- 58.37 Ridge, bears NW. and SE.
- Abrupt descent.
- 67.00 Hollow, 250 ft. deep, course NW.
- Abrupt ascent.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

- 74.00 Spur, projects NW.
Abrupt descent.
- 79.92 The cor.of secs.29-30-31 and 32.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 79.92 chs.
-
- West, on a random line, bet.sec^s. 30 and 31.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.43 Intersect W.bdy.of Tr., 5 lks.N. of the cor.of secs.
25-30-31 and 36, heretofore described.
Thence I run
N.89°58'E., on a true line,
Bet.sec^s. 30 and 31.
Ascend abruptly over rocky and mountainous land, through
scattering timber.
- 5.25 Rocky ridge, bears N. and SE.
Abrupt descent.
- 40.43 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 30 on N.half, and
S 31 on S.half, from which
A cedar, 12 ins.diam., bears N.28°W., 41 lks.dist.,
marked $\frac{1}{4}$ S 30 BT.
A pinon, 7 ins.diam., bears S.68°E!, 43 lks.dist.,
marked $\frac{1}{4}$ S 31 BT.
- 45.00 Hollow, 700 ft.deep, course N.
Abrupt ascent.
- 62.50 Spur, projects N.
Abrupt descent.
- 73.50 Hollow, 400 ft.deep, course NW.
Abrupt ascent.
- 80.43 The cor.of secs.29-30-31 and 32.

	CHEAINS	Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 80.43 chs. August 30: At this cor. I set off 9°03' N., on decl. arc, and at 0h.01m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37°44' N.
		N. 0°04' E., bet. secs. 29 and 30.
		Descend abruptly over rocky and mountainous land, through scattering timber and undergrowth.
19.50	Hollow, 600 ft. deep, course NW. Abrupt ascent.	
40.00	Ridge, bears NW. and SE. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on W. half and S 29 on E. half, from which A pinon, 6 ins. diam., bears N. 21° W., 26 lks. dist., marked $\frac{1}{4}$ S 30 BT. A cedar, 12 ins. diam., bears N. 63° 30' E., 42 lks. dist., marked $\frac{1}{4}$ S 29 BT.	
	Abrupt descent.	
49.00	South fork of Chloride Canyon, 500 ft. deep, course NW. Abrupt ascent.	
61.00	Spur, projects NW. Abrupt descent.	
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 19-20-29 and 30, marked on brass cap T 35 S S 19 in NW., R 14 W S 20 in NE., S 29 in SE., and S 30 in SW. quadrant, from which A cedar, 10 ins. diam., bears N. 50° 30' E., 35 lks. dist., marked T 35 S R 14 W S 20 BT.	

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

A pinon, 6 ins. diam., bears S.44° E., 59 lks. dist.,
marked T 35 S R 14 W S 29 BT.

A pinon, 8 ins. diam., bears S.20° W., 56 lks. dist.,
marked T 35 S R 14 W S 30 BT.

A pinon, 8 ins. diam., bears N.60° W., 12 lks. dist.,
marked T 35 S R 14 W S 19 BT.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

N.89°56' E., on a random line, bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
20-21-28 and 29.

Thence I run

S.89°59' W., on a true line,

Bet. secs. 20 and 29.

Ascend abruptly over rocky and mountainous land, through
heavy timber.

11.00 Rocky ridge, bears NW. and SE.

Abrupt descent.

39.99 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 on N. half, and
S 29 on S. half, from which

A pinon, 12 ins. diam., bears S.26° E., 78 lks. dist.,
marked $\frac{1}{4}$ S 29 BT.

A pinon, 14 ins. diam., bears N.21° W., 41 lks. dist.,
marked $\frac{1}{4}$ S 20 BT.

69.80 North fork of Chloride Canyon, 800 ft. deep, course NW.

Abrupt ascent.

76.90 Spur, projects N.

Abrupt descent.

79.98 The cor. of secs. 19-20-29 and 30.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINING

- Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 79.98 chs.
-
- S. 89° 58' W., on a random line, bet. secs. 19 and 30.
40.00 Set temp. + sec. cor.
80.64 Intersect W. bdy. of Tp., 7 lkm. N. of the re-established cor. of secs. 19-24-25 and 30, heretofore described.
Thence I run
N. 89° 55' E., on a true line,
Bet. secs. 19 and 30.
Ascend abruptly over rocky and mountainous land through scattering timber.
15.00 Rocky ridge, bears N. and S.
Abrupt descent.
40.64 Set an iron post, 3 ft. long, 1 in. dia., 26 inn. in the ground for $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 19 on N. half, and S 30 on S. half, from which
A cedar, 6 inn. diam., bears N. 24° 30' W., 6 lkm. dist., marked $\frac{1}{2}$ S 19 BT.
A pinon, 6 inn. diam., bears S. 75° 30' W., 80 lkm. dist., marked $\frac{1}{2}$ S 30 BT.
48.00 Hollow, 300 ft. deep, course N.
Abrupt ascent.
63.00 Rocky spur, projects NW.
Abrupt descent.
71.00 South fork of Chloride Canyon, 800 ft. deep, course NW.
Abrupt ascent.
80.64 The cor. of secs. 19-20-29 and 30.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

Mountainous land on 80.64 chs.

N.0°04'W., bet. secs. 19 and 20.

Descend abruptly over rocky and mountainous land, through scattering timber.

12.00 North fork of Chloride Canyon, 800 ft. deep, course NW.

Abrupt ascent.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 19 on W. half, and S 20 on E. half, from which

A pinon, 8 ins. diam., bears N.48°W., 79 lks. dist., marked $\frac{1}{4}$ S 19 BT.

A cedar, 10 ins. diam., bears S.48°E., 38 lks. dist., marked $\frac{1}{4}$ S 20 BT.

58.40 Rocky ridge, bears NW. and SE.

Abrupt descent.

74.50 Hollow, 200 ft. deep, course E.

Abrupt ascent over granite boulders.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked on brass cap T 35 S S 18 in NW.,

R 14 W S 17 in NE.,

S 20 in SE., and

S 19 in SW. quadrant, from which

A pinon, 6 ins. diam., bears N.81°E., 43 lks. dist., marked T 35 S R 14 W S 17 BT.

A pinon, 20 ins. diam., bears S.37°E., 79 lks. dist., marked T 35 S., R.14 W S 20 BT.

A pinon, 12 ins. diam., bears S.40°30'W., 103 lks. dist., marked T 35 S R 14 W S 19 BT.

A pinon, 15 ins. diam., bears N.9°30'W., 86 lks. dist., marked T 35 S R 14 W S 18 BT.

Land, mountainous.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS	<p>Soil, rocky, 3rd. and 4th. rate.</p> <p>Timber, cedar and pibon.</p> <p>Mountainous land on 80.00 chs.</p>
	August 30, 1909
	<hr/> <p>August 31: At 7h., a.m., l.m.t., I set off $37^{\circ}46'N.$ on lat. arc, $8^{\circ}47'N.$ on decl. arc, and determine a meridian with the solar at the cor. of secs. 17-18-19 and 20.</p> <p>Thence I run</p> <p>$N.89^{\circ}59'E.$, on a random line, bet. secs. 17 and 20.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 16-17-20 and 21.
	<p>Thence I run</p> <p>$N.89^{\circ}59'W.$, on a true line,</p> <p>Bet. secs. 17 and 20.</p>
	Descend over rocky and mountainous land, through scattering timber.
17.00	Hollow, 100 ft. deep, course NW.
	Abrupt ascent.
38.50	Rocky spur, projects N.
	Abrupt descent.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, and S 20 on S. half, from which
	<p>A pinon, 6 ins. diam., bears $N.33^{\circ}E.$, 21 lks. dist., marked $\frac{1}{4}$ S 17 BT.</p> <p>A pinon, 30 ins. diam., bears $S.89^{\circ}E.$, 39 lks. dist., marked $\frac{1}{4}$ S 20 BT.</p>
41.25	Hollow, 150 ft. deep, course NE.
	Abrupt ascent.
53.50	Rocky spur, projects N.
	Abrupt descent.
67.00	Hollow, 200 ft. deep, course NE.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

Ascend abruptly along steep south slope over granite boulders.

80.02 The cor. of secs. 17-18-19 and 20.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.02 chs.

S. 89° 55' W., on a random line, bet. secs. 18 and 19,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.88 Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described.

Thence I run

N. 89° 52' E., on a true line,

Bet. secs. 18 and 19.

Ascend abruptly over rocky and mountainous land, along steep south slope, through scattering timber.

34.50 Begin abrupt ascent over granite ledges, bearing N. and S.

39.00 Granite spur, projects S.

Abrupt descent over granite ledges.

40.88 Point for $\frac{1}{4}$ sec. cor. falls on granite ledges, impossible to set.

45.05 Foot of granite ledges, bearing N. and S.

Set an iron pos', 3 ft. long, 1 in. dia., 24 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,
T 35 S R 14 W W C $\frac{1}{4}$ S 18 on N. half, and
S 19 on S. half, from which

A pinon, 24 ins. diam., bears N. 10° E., 4 lks. dist.,
marked W C $\frac{1}{4}$ S 18 BT.

A pinon, 5 ins. diam., bears S. 16° E., 30 lks. dist.,
marked W C $\frac{1}{4}$ S 19 BT.

45.80 Hollow, 200 ft. deep, course S.

Abrupt ascent.

CHAINS	
55.00	Rocky ridge, bears NW. and SE. Abrupt descent along steep south slope over granite boulders and slide rock.
80.88	The cor. of secs. 17-18-19 and 20. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 80.88 chs.
	<hr/>
	N. 0° 04' E., bet. secs. 17 and 18.
	Ascend abruptly over rocky and mountainous land, over granite boulders and slide rock, through scattering timber.
16.85	Rocky ridge, bears NE. and SW. Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. half and S 17 on E. half, from which A pinon, 7 ins. diam., bears N. 74° E., 4 lks. dist., marked $\frac{1}{4}$ S 17 BT. A pinon, 6 ins. diam., bears S. 0° 30' W., 33 lks. dist., marked $\frac{1}{4}$ S 18 BT.
45.00	Hollow, 500 ft. deep, course E. Ascend abruptly over granite ledges.
54.00	Rocky spur, projects E. Descend.
60.00	Hollow, 100 ft. deep, course E. Abrupt ascent.
64.00	Rocky spur, projects E. Abrupt descent.
73.00	Hollow, 150 ft. deep, course E. Abrupt ascent.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

ground, for cor. of secs. 7-8-17 and 18, marked on brass cap
T 35 S S 7 in NW., ✓

R 14 W S 8 in NE., ✓

S 17 in SE., and ✓

S 18 in SW. quadrant, from which ✓

A pinon, 5 ins. diam., bears N.15°E., 27 lks. dist.,
marked T 35 S R 14 W S 8 BT. ✓

A cedar, 5 ins. diam., bears S.53°E., 33 lks. dist.,
marked T 35 S R 14 W S 17 BT. ✓

A cedar, 7 ins. diam., bears S.88°W., 49 lks. dist.,
marked T 35 S R 14 W S 18 BT. ✓

A cedar, 5 ins. diam., bears N.89°W., 49 lks. dist.,
marked T 35 S R 14 W S 7 BT. ✓

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

August 31: At this cor. I set off 8°41'N., on decl. arc, and
at 12 M., 1.m.t., observe the sun on the meridian, the
resulting lat. is 37°47'N.

S.89°59'E., on a random line, bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
8-9-16 and 17.

Thence I run

S.89°59'W., on a true line,
Bet. secs. 8 and 17.

Ascend abruptly over rocky and mountainous land.

8.00 Ridge, bears NW. and SE.

Enter scattering timber.

Abrupt descent.

17.00 Hollow, 150 ft. deep, course S.

Abrupt ascent.

CHAINS

- 21.00 Rocky spur, projects S.
Abrupt descent.
- 26.00 Hollow, 250 ft. deep, course NW.
Abrupt ascent.
- 34.00 Spur, projects NW.
Abrupt descent.
- 39.00 Hollow, 100 ft. deep, course NW.
Abrupt ascent.
- 40.02 Set an iron post, 3 ft. long, 1 in. dia., 36 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on N. half, and S 17 on S. half, from which
A pinon, 12 ins. diam., bears N. 87° E., 93 lks. dist., marked $\frac{1}{4}$ S 8 BT.
A pinon, 9 ins. diam., bears S. 13° W., 85 lks. dist., marked $\frac{1}{4}$ S 17 BT.
- 44.20 Spur, projects N.
Abrupt descent.
- 51.00 Hollow, 300 ft. deep, course N.
Abrupt ascent over broken ledges and slide rock.
- 80.04 The cor. of secs. 7-8-17 and 18.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 80.04 chs.
-
- Knowing from previous surveys that the line bet. secs. 7 and 18 will not close within limits on the W. bdy. of the Tp., I run
S. 89° 52' W., on a true line, bet. secs. 7 and 18.
Ascend abruptly over rocky and mountainous land, through scattering timber.
- 4.00 Rocky ridge, bears NE. and SW.
Abrupt descent.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

- 13.00 Hollow, 150 ft. deep, course N.
Abrupt ascent.
- 14.50 Spur, projects N.
Abrupt descent, leave timber.
- 28.50 Hollow, 800 ft. below top of ridge, course NW.
Abrupt ascent.
- 39.10 Spur, projects N.
Abrupt descent.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 on N. half and S 18 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
- 55.00 Foot of abrupt descent, bears NE. and SW.
Leave mountainous land, descend over rolling land in Escalante Valley.
- 81.10 Intersect W. bdy. of Tp., 1.67 chs. N. $0^{\circ}10' E.$, of the cor. of secs. 7-12-13 and 18, heretofore described.
Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for closing cor. of secs. 7 and 18, marked on brass cap, T 35 S on N. half,
R 15 W S 12 CC S 13 on W. half, and
R 14 W S 7 S 18 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
Pits impracticable.
On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
I destroy all marks on the cor. of secs. 7-12-13 and 18 that pertain to R. 14 W.
Land, mountainous and rolling.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 55.00 chs.

SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	
	N.0°04'E., on a random line, bet. secs. 7 and 8.
49.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect S. bdy. of sec. 5, 162 lks. S. 89° 32' E. from the cor. of secs. 5-6-7 and 8, heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for closing cor. of secs. 7 and 8, marked on brass cap T 35 S R 14 W S 6 CC S 5 on N. half, and S 8 S 7 on S. half, from which A cedar, 8 ins. diam., bears S. 82° W., 105 lks. dist., marked T 35 S R 14 W S 7 BT.
	No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
	Pits impracticable.
	On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
	I destroy all marks on the cor. of secs. 5-6-7 and 8 that pertain to secs. 7 and 8.
	Thence I run S. 0°04' W., on a true line, bet. secs. 7 and 8.
	Ascend abruptly over rocky and mountainous land.
8.60	Rocky spur, projects NW.
	Abrupt descent.
15.60	Hollow, 250 ft. deep, course NW.
	Abrupt ascent.
20.50	Rocky spur, projects E.
	Abrupt descent.
24.75	Same hollow, 200 ft. deep, course NE.
	Abrupt ascent.
28.75	Begin descent along east side of hollow,
30.25	Same hollow, 150 ft. deep, course NW.
	Abrupt ascent.
39.50	Rocky ridge, bears NW. and SE.
	Descend.

SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

- 39.94 Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 7 on W. half S 8 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
On account of natural obstacles it is impossible to set this post over 18 ins. in the ground.
- 42.00 Head of hollow, course W.
Abrupt ascent.
- 45.15 Rocky spur, projects NW.
Abrupt descent.
- 56.00 Hollow, 250 ft. deep, course NW.
Abrupt ascent, along steep rocky and broken west slope.
Enter scattering timber.
- 71.00 Rocky ridge, bears NE. and SW.
Descend.
- 73.00 Head of hollow, course E.
Ascend.
- 77.00 Rocky spur, projects E.
Descend.
- 79.88 The cor. of secs. 7-8-17 and 18.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land on 79.88 chs.

August 31, 1909

GENERAL DESCRIPTION.

This township is located on the Iron Mountain and the soil is generally rocky and broken by many hollows. The only portion of the township not in the mountains is a portion of secs. 7 and 9, which falls in Escalante Valley, the soil being rocky and rolling.

SUBDIVISIONS OF T.35 S., R.14 W.

A growth of cedar and pinon timber is found on the entire township, this growth is generally heavy on the north slopes.

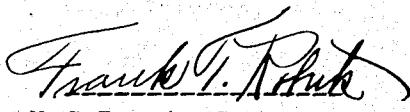
There is no surface water in this township.

Traces of iron ore is found on the entire township but no developement work is done to show the extent of the ore.

There is no other mineral found in this township.

There are no settlers in this township.

There are no indications of oil, oil springs, oil seeps or wells on this township.


U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____, showing the respective capacities in which they acted:

list of names and final oath of assistants see book "Z" ¹⁵, Chainman.
 T. 34 S., R. 12 W., Chainman.
 , Moundman.
 , Moundman.
 , Axman.
 , Axman.
 , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all parts or portions of the _____, of the _____, meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____,

, Chainman.
 , Chainman.
 , Moundman.
 , Moundman.
 , Axman.
 , Axman.
 , Flagman.

scribed and sworn to before me this _____, day of _____, 190 }
 181



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for bearing date of day of 190 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of

For final oath of deputy see book "Z¹⁵" T. 34 S., R. 12 W.

..... of the meridian, in the of which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of 190 }

OOOOOO
O SEAL O
OOOOOO

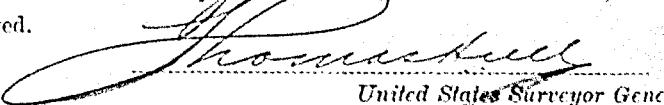
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, April 31, 1910.

The foregoing field notes of the survey of the Subdivisional lines, Township No. 35 South, Range No. 14 West, of the Salt Lake Base and Meridian, Utah.

executed by Frank T. Roberts
under his contract No. 313 dated April 5, 1909 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.


Thomas Marshall
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

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Page**

4-679.

BOOK A-356

2

FILED
APR 21 1900
MHD

S.B. CORRECTIVE

FIELD NOTES

To Book "Z¹" Original Notes
OF THE SURVEY OF THE

SUBDIVISIONS.....

OF.....

TOWNSHIP NO. 35 SOUTH, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1900

Survey commenced January 30, 1900

Survey completed January 30, 1900

NAMES AND DUTIES OF ASSISTANTS.

Harvey D. Heist, Chairman

Walter A. Sturm, "

Harvey D. Heist, Moundman

Walter A. Sturm, Flagman

For preliminary affidavits see book 1, Corrective notes T. 35 S. R. 12

BOOK A-356

INDEX DIAGRAM.

Township _____, *Range* _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
10	20	21	22	28	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainma

, Chainma

Subscribed and sworn to before me this }
day of , 190 }
.....



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundma

, Moundma

Subscribed and sworn to before me this }
day of , 190 }
.....



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axma

, Axma

Subscribed and sworn to before me this }
day of , 190 }
.....



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this }
day of , 190 }
.....



CORRECTIVE NOTES OF SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

Survey commenced January 30, 1910 and executed with the instrument described in book "A", of original survey. At 7h. 47m., a.m., l.m.t., I set off $37^{\circ}46'N.$ on lat.arc, $17^{\circ}44'S.$ on decl.arc, and determine a meridian with the solar at the cor. of secs. 16-17-20 and 21, T.35 S., R.14 W., described in original field notes.

Thence I run

$N.0^{\circ}04'E.$, bet. secs. 16 and 17.

39.79 The original $\frac{1}{4}$ sec.cor. bears E. 3 lks.dist.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 17$ on W. half and S. 16 on E. half, from which

A cedar, 8 ins. diam., bears $N.41^{\circ}E.$, 92 lks.dist., marked $\frac{1}{4} S 16$ BT.

A cedar, 10 ins. diam., bears $N.46^{\circ}30'W.$, 171 lks.dist., marked $\frac{1}{4} S 17$ BT.

I destroy all traces of the original $\frac{1}{4}$ sec.cor.

80.00 The cor.of secs. 8-9-16 and 17, described in original field notes.

There is no change of topography on this line.

From the cor.of secs. 8-9-16 and 17 , I run

$N.0^{\circ}04'E.$, on a random line, bet. secs. 8 and 9.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.02 Intersect the closing cor.of secs. 8 and 9, described in original field notes.

Thence I run

$S.0^{\circ}04'W.$, on a true line,

Bet. secs. 8 and 9.

39.45 The original $\frac{1}{4}$ sec.cor. bears W. 1 lk.dist.

40.01 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4} S 8$ on W. half

and S. 9 on E. half, from which

See Original
Notes
Book "Z"
Page 26

See Original
Notes
Book "Z"
Page 30

CORRECTIVE NOTES OF SUBDIVISIONS OF T.35 S., R.14 W.

	CHAINS	A pinon, 7 in diam., bears N. $23^{\circ}45' E.$, 85 lks. dist., marked $\frac{1}{4}$ S. 9 BT.
		A pinon, 7 ins. diam., bears N. $42^{\circ}W.$, $79\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S. 8 BT.
80.02		I destroy all traces of the original $\frac{1}{4}$ sec.cor. The cor.of secs. 8-9-16 and 17. There is no change of topography on this line.

January 30, 1910.

Frank T. Robink
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

wing the respective capacities in which they acted:

_____, *Chainman.*
 A list of names and final oath of assistants see book 4, *Chainman.*
 Corrective notes T. 35 S., R. 17 W. _____, *Moundman.*
 _____, *Moundman.*
 _____, *Axman.*
 _____, *Axman.*
 _____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all parts or portions of the _____

of the _____
 meridian, _____ of _____, which are represented
 he foregoing field notes as having been surveyed by him and under his direction; and that said survey
 been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 her monuments established, according to the instructions furnished by the United States Surveyor
 general for _____

_____, *Chainman.*
 _____, *Chainman.*
 _____, *Moundman.*
 _____, *Moundman.*
 _____, *Axman.*
 _____, *Axman.*
 _____, *Flagman.*

scribed and sworn to before me this _____ }
 day of _____, 190 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book 4 corrective notes T. 35 S., R. 17 E.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____. }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1909

corrective
The foregoing field notes of the survey of Subdivision of Township No. 35 South Range No. 14 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A handwritten signature in ink, appearing to read "Frank T. Roberts".
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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"²
BOOK A-356

FILED

JAN 10 1910

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 35 South, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 313, dated April 5, 1909

racement

Survey commenced August 25, 1909

racement

Survey completed August 25, 1909

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus B. Dalley, Moundman

George B. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "X", T. 35 S., R. 15 W.

BOOK A-356

INDEX DIAGRAM.

Township 35 South, Range 14 West

6	5	4	8	2	1
3	3	2			
7	8	9	2	10	11
18	17	16	2	15	14
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainma

, Chainma

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundma

, Moundma

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

, Axma

, Axma

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagma

Subscribed and sworn to before me this }
day of , 190 }



RETRACEMENT OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

Survey commenced August 25, 1909 and executed with the instrument described in book "A" of this survey.

I know the instrument to be in adjustment from recent observations made August 23 and 24, 1909, at the stan. cor. of secs. 35 and 36 on the S.bdy. of the Tp., and recorded in book " Z¹ " of this survey.

I begin at the cor. of secs. 12 and 13, heretofore described on the E.bdy. of T.35 S., R.14 W.,

At 7h.02m., a.m., l.mt., I set off $37^{\circ}47'N.$, on lat.arc, $10^{\circ}54'N.$, on decl.arc, and determine a meridian with the solar.

Thence I run

N. $89^{\circ}18'W.$, retracing bet. secs. 12 and 13.

39.66 Fall 10 lks.N. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 8x8x4 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N. $89^{\circ}27'W.$, and the distance 39.66 chs.

I offset over the $\frac{1}{4}$ sec.cor. and continue N. $89^{\circ}18'W.$

40.20 Fall 63 lks.N. of the cor. of secs. 11-12-13 and 14, heretofore described.

The course of this line is therefore S. $89^{\circ}48'W.$, and the distance 40.20 chs.

West, retracing bet. secs. 11 and 14.

40.44 Fall 32 lks.S. of the $\frac{1}{4}$ sec.cor. bet. secs. 11 and 14, which is a granite stone, 3x10x8 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N. $89^{\circ}33'W.$
and the distance 40.44 chs.

I offset over the $\frac{1}{4}$ sec.cor. and continue west

40.13 Fall 10 lks.N. of the cor. of secs. 10-11-14 and 15, which is a granite stone, 15x10x5 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor

RETRACEMENT OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

general.

The course of this line is therefore S. $89^{\circ}51'W.$, and the distance 40.13 chs.

West, retracing bet.secs.10 and 15.

39.76 Fall 11 lks.S. of the $\frac{1}{4}$ sec.cor.bet.secs.10 and 15 which is a granite stone, 18x6x5 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.

I run west with continuous chaining.

79.95 Fall 22 lks.S. of the cor.of secs.9-10-15 and 16, which is a granite stone, 6x12x8 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore N. $89^{\circ}51'W.$, and the distance 79.95 chs.

August 25: At this cor.I set off $10^{\circ}48'N.$, on decl.arc, and at 0h.02m., p.m., l.m.t., observe the sun on the meridian the resulting lat.is $37^{\circ}47'N.$

North,bet.secs.9 and 10.

40.55 Intersect the $\frac{1}{4}$ sec.cor. which is a granite stone, 15x10x5 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.

80.70 Intersect the cor.of secs.3-4-9 and 10 which is a granite stone, 6x8x6 ins. above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore north and the distance 80.70 chs.

West, retracing bet.secs.4 and 9.

40.92 Intersect the $\frac{1}{4}$ sec.cor.bet.secs.4 and 9 which is a granite stone, 20x10x10 ins., firmly set in a mound of stone marked and witnessed as described by the surveyor general.

RETRACEMENT OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

20.46 Intersect the cor. of secs. 4-5-8 and 9, which is a granite stone, 18x12x5 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general.

The course of this line is therefore West, and the distance 20.46 chs.

West, retracing bet. secs. 5 and 8.

40.60 Fall 38 lks. N. of the point for the $\frac{1}{4}$ sec. cor. which is missing, I re-establish the same with tie given by the surveyor general to bearing tree.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for re-established $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 5 on N. half, and S 8 on S. half, from which the original bearing tree

A lone cedar, 10 ins. diam., bears S.16°W., 80 lks. dist. marked $\frac{1}{4}$ S BT.

No other trees within limits and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

The course of this line is therefore S.89°27'W. and the distance 40.60 chs.

I offset over the $\frac{1}{4}$ sec. cor. and continue west

40.10 Fall 33 lks. S. of the cor. of secs. 5-6-7 and 8, which is a volcanic stone, 15x8x7 ins., firmly set in a mound of stone marked and witnessed as described by the surveyor general.

The course of this line is therefore N.89°32'W., and the distance 40.10 chs.

S.89°17'W., on a retracement line, bet. secs. 6 and 7.

40.45 Fall 14 lks. N. of the $\frac{1}{4}$ sec. cor. which is a granite stone 6x7x8 ins. above ground, marked and witnessed as described

RETRACEMENTS OF THE SUBDIVISIONS OF T. 35 S., R. 14 W.

CHAINS

by the surveyor general.

The course of this line is therefore S.89°05'W., and the distance 40.45 chs.

I offset over the $\frac{1}{4}$ sec.cor. and continue S.89°17'W.

38.90 Fall 18 lks.S. of the cor.of secs. 1-5-7 and 12, on the west bdy. of the Tp., which is a granite stone, 10x9x6 ins. above the ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore S.89°33'W., and the distance 38.90 chs.

August 25, 1909

BOUNDARIES OF T. 35 S.R. 14 W.
Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
7th Stan. Par. S. West W. bdy.	North	480.38				480.38
	N. 0°03'W.	40.00	40.00			0.21
	N. 0°10'E.	238.62	238.62			
	N. 0°10'E.	40.00	40.00			0.21
Subdivisions	N. 89°33'E.	38.90	0.30			38.90
	N. 89°05'E.	40.45	0.66			40.44
	S. 89°32'E.	40.10		0.33		40.10
	N. 89°27'E.	40.60	0.38			40.60
	East	80.46				80.46
	South	80.70		80.70		
	S. 89°51'E.	79.95		0.21		79.95
	N. 89°51'E.	40.13	0.11			40.13
	S. 89°33'E.	40.44		0.32		40.44
	N. 89°48'E.	40.20	0.14			40.20
	S. 89°27'E.	39.66		0.38		39.66
E. Bdy.	S. 0°07'W.	319.00		319.00		0.65
Convergency	Total.		400.87	400.94	481.51	481.24
			400.87	400.87	481.24	
	Error in lat. and dep.		0.32	.07	0.27	

For General Description see Subdivisions of T. 35 S.,
R. 14 W.

Frank T. Potts
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____,

United States Deputy Surveyor, to assist in running, measuring, and
king the lines and corners described in the foregoing field notes of the survey of _____

ving the respective capacities in which they acted:

list of names and final oath of assistants see book "Z⁷" Chainman.

T. 36 S., R. 15 W. _____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____,

United States Deputy Surveyor, in surveying all
e parts or portions of the _____

of the _____

meridian, _____, of _____, which are represented

e foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
er monuments established, according to the instructions furnished by the United States Surveyor
eral for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

cribed and sworn to before me this _____ }
day of _____, 190 _____ }

○○○○○
○ SEAL ○
○○○○○

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for bearing date of t
..... day of 190 , I have well, faithfully, and truly, in my o
proper person, and in strict conformity with the instructions furnished by the United States Survey
General for the Manual of Surveying Instructions, and the laws of t
United States, surveyed all those parts or portions of

For final oath of identity see book "Z7" T. 36. R. 15. "

..... of the
..... meridian, in the which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemn
swear that all the corners of said survey have been established and perpetuated in strict accordance w
the Manual of Surveying Instructions, and the special written instructions of the United States Survey
General for and in the specific manner described in the field notes, and t
the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of 190 }



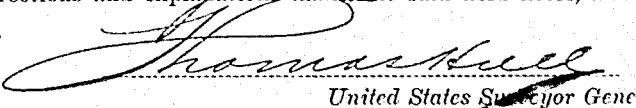
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910.

The foregoing field notes of the Survey of the retracement of the Subdivision
of Township 35 South, Range 14 West of the Salt Lake Base and Me-
ridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having b
critically examined, and the necessary corrections and explanations made, the said field notes, and
retracement s, they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office

United States Surveyor General

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" Z 3 "

FILED

JAN 10 1910

W.H.B.

BOOK A-356

FIELD NOTES

RE -
OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 35 SOUTH, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

under his Contract No. 313, dated April 5, 1909

Survey commenced August 26, 1909

Survey completed August 26, 1909

6-161

Subs
3-79-351

11-00-94

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus R. Dalley, Moundman

George B. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

BOOK A-356

INDEX DIAGRAM.

Township 35 south, Range 14 West,

1	2	3	4	5	6	7	8
9	10	11	12				
13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44
45	46	47	48	49	50	51	52

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, Sterling Wright, and Claude L. Heist, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Subdivisions of T. 35 S., R. 14 W., S.L.B. & M., in the state of Utah.

Sterling Wright, Chainman
Claude L. Heist, Chainman

Subscribed and sworn to before me this 26th, }
day of August, 1909 }



Frank T. Robt

U.S. Deputy Surveyor

WE, Erastus B. Dalley, and George B. McConnell, do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Subdivisions of T. 35 S., R. 14 W., S.L.B. & M., in the state of Utah.

Erastus B. Dalley, Moundman
George B. McConnell, Moundman

Subscribed and sworn to before me this 26th, }
day of August, 1909 }



Frank T. Robt

U.S. Deputy Surveyor

WE, Joseph D. Foster and Earl V. Woolley, do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Subdivisions of T. 35 S., R. 14 W., S.L.B. & M., in the state of Utah.

Joseph D. Foster, Axman
Earl V. Woolley, Axman

Subscribed and sworn to before me this 26th, }
day of August, 1909 }



Frank T. Robt

U.S. Deputy Surveyor

I, Rodney B. Shelley, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the resurvey of the subdivisions of T. 35 S., R. 14 W., S.L.B. & M., in the state of Utah.

Rodney B. Shelley, Flagman

Subscribed and sworn to before me this 26th, }
day of September, 1909 }



Frank T. Robt

U.S. Deputy Surveyor

RESURVEY OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

Survey commenced August 26, 1909, and executed with the instrument described in book "A", of this survey.

I know the instrument to be in adjustment from recent observations made August 23 and 24, 1909, at the stan.cor. of secs.35 and 36, on the S.bdy.of the Twp., and recorded in book "z 1 " of this survey.

At 7h.02m.a.m., l.m.t., I set off $37^{\circ}45'N.$ on lat.arc, $10^{\circ}33'N.$ on decl.arc, and determine a meridian with the solar at the re-established stan.cor.of secs.33 and 34, heretofore described on the 7th.Stan.Par.South.

The original line running north through the center of the township was projected from a cor. which I destroyed in re-establishing the 7th.Stan.Par.S., therefore, I resurvey this line as follows:

$N.0^{\circ}05'E.$, resurveying bet.secs.33 and 34.

Descend along east slope, over mountainous land, through dense undergrowth and scattering timber.

21.00 Hollow, 50 ft.deep, course E. Ascend.

40.00 Set an iron post, 3 ft.long, 1 ins.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 33 on W.half S 34 on E.half, from which

A pinon, 5 ins.diam., bears $S.78^{\circ}W.$, 54 lks.dist., marked $\frac{1}{4}$ S 33 BT.

A pinon, 6 ins.diam., bears $N.36^{\circ}E.$, 32 lks.dist., marked $\frac{1}{4}$ S 34 BT.

I destroy all traces of the old $\frac{1}{4}$ sec.cor. which bears E., 86 lks.dist.

47.00 Ridge, bears NE.and SW. Abrupt descent.

Enter heavy timber, bears NE.and SW.

60.50 Hollow, 150 ft.deep, course NE.

Abrupt ascent.

70.00 Bend in ridge, from SW.to NW.

Abrupt descent.

80.00 Set an iron post, 3 ft.long, 2 ins.dia., in mound of stone

RESURVEY OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	<p>and earth for re-established cor.of secs. 27-28-33 and 34, marked on brass cap</p> <p>T 35 S S 28 in NW., R 14 W S 27 in NE., S 34 in SE., and S 33 in SW.quadrant, from which</p> <p>A pinon, 5 ins.diam., bears N.54°E., 66 lks.dist., marked T 35 S R 14 W S 27 BT.</p> <p>A pinon, 12 ins.diam., bears S.64°E., 29 lks.dist., marked T 35 S R 14 W S 34 BT.</p> <p>A cedar, 4 ins.diam., bears S.76°W., 48 lks.dist., marked T 35 S R 14 W S 33 BT.</p> <p>A pinon, 5 ins.diam., bears N.45°W., 79 lks.dist., marked T 35 S R 14 W S 28 BT.</p> <p>On account of natural obstacles it is impossible to set this post over 15 ins.in the ground. I destroy all traces of the old sec.cor. which bears East, 76 lks.dist. Land, mountainous. Soil, rocky, 3rd.rate. Timber, cedar and pinon. Undergrowth, service berry and oak brush. Mountainous land on 80.00 chs.</p> <hr/> <p>N.0°05'E., betsecs. 27 and 28. Descend abruptly over rocky and mountainous land through heavy timber.</p> <p>14.00 Hollow, 200 ft.deep, course NW.</p> <p>Abrupt ascent.</p> <p>20.00 Spur, projects NW.</p> <p>Descend over rolling land.</p> <p>40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 on W.</p>
--------	---

RESURVEY OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

S. 27 on E. half, from which

A cedar, 5 ins. diam., bears N. 52° 30' E., 97 lks. dist., marked $\frac{1}{4}$ S 27 BT.

A cedar, 5 ins. diam., bears S. 75° 15' W., 186 lks. dist., marked $\frac{1}{4}$ S 28 BT.

I destroy all traces of the old $\frac{1}{4}$ sec.cor. which bears S. 86° E., 67 lks. dist.

52.00 Wash, 2.00 chs. wide, 10 ft. deep, course NE.

80.00 Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for re-established cor.of secs. 21-23-27 and 28, marked on brass cap

T 35 S S 21 in NW.,

R 14 W S 22 in NE.,

S 27 in SE., and

S 28 in SW. quadrant, from which

A pinon, 5 ins. diam., bears N. 68° E., 92 lks. dist., marked T 35 S R 14 W S 22 BT.

A pinon, 10 ins. diam., bears S. 21° E., 81 lks. dist., marked T 35 S R 14 W S 27 BT.

A cedar, 6 ins. diam., bears S. 40° W., 53 lks. dist., marked T 35 S R 14 W S 28 BT.

A pinon, 8 ins. diam., bears N. 57° W., 47 lks. dist., marked T 35 S R 14 W S 21 BT.

On account of natural obataclon it is impossible to set this post over 12 ins. in the ground.

I destroy all traces of the old sec.cor. which bears S. 81° E., 61 lks. dist.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

August 26: At this cor. I set off 10° 28' N., on decl.arc, and at 0h.02m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 45' N.

RESURVEY OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS	
	N.0°05'E., resurveying bet. secs. 21 and 22.
	Descend over rocky and mountainous land, through heavy timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 21 on W. half and S 22 on E. half, from which A cedar, 14 ins. diam., bears S.55°W., 9 lks.dist., marked $\frac{1}{4}$ S 21 BT. A pinon, 6 ins. diam., bears S.49°E., 53 lks.dist., marked $\frac{1}{4}$ S 22 BT.
	I destroy all traces of the old $\frac{1}{4}$ sec.cor. which bears S.76°E., 55 lks.dist.
71.00	Wash, 2.00 chs. wide, 25 ft. deep, course NE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for remeestablished cor. of secs. 15-16-21 and 22 marked on brass cap T 35 S S 16 in NW., R 14 W S 15 in NE., S 22 in SE., and S 21 in SW. quadrant, from which A cedar, 6 ins. diam., bears N.20°E., 48 lks.dist., marked T 35 S R 14 W S 15 BT.
	A cedar, 6 ins. diam., bears S.36°E., 86 lks.dist., marked T 35 S R 14 W S 22 BT.
	A cedar, 10 ins. diam., bears S.18°W., 87 $\frac{1}{2}$ lks.dist., marked T 35 S R 14 W S 21 BT.
	A cedar, 7 ins. diam., bears N.64°W., 22 lks.dist., marked T 35 S R 14 W S 16 BT.
	On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
	I destroy all traces of the old sec.cor. which bears S.62°E., 43 lks.dist.
	Land, mountainous.

RESURVEY OF THE SUBDIVISIONS OF T.35 S., R.14 W.

CHAINS

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land on 83.00 chs.

N.0°05'E., on a random line, bet. secs. 15 and 16.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.35 Fall 40 lks.E. of the cor.of secs. 9-10-15 and 16, here-
tofore described.

Thence I run

S.0°12'W., on a true line,

Bet. secs. 15 and 16.

Ascend over mountainous land, through scattering timber.

5.00 Wash, 150 lks.wide, 8 ft.deep, course NW.

39.35 Set an iron post, 3 ft.long, 1 in.dia, 26 ins.in the ground
for re-established $\frac{1}{4}$ sec.cor., marked on brass cap

$\frac{1}{4}$ S 16 on W.half and S 15 on E.half, from which

A cedar, 6 ins.diam., bears N.12'E., 38 lks.dist.,
marked $\frac{1}{4}$ S 15 BT.

A cedar, 10 ins.diam., bears N.72'W., 53 lks.dist.,
marked $\frac{1}{4}$ S 16 BT.

I destroy all marks on the old $\frac{1}{4}$ sec.cor. which bears
S.14'W., 69 lks.dist..

44.30 Spur, projects E.

Descend.

47.00 Hollow, 75 ft.deep, course E.

Ascend.

52.00 Spur, projects E.

Descend.

79.35 The cor.of secs. 15-16-21 and 22.

Land, mountainous.

Soil, rocky, 3rd.and 4th.rate.

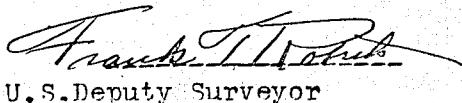
Timber, cedar and pinon.

Mountainous land on 79.35 chs.

RESURVEY OF THE SUBDIVISIONS OF T.35 S., R.14 W.

For General Description see Subdivisions of

T.35 S., R.14 W.


Frank T. Tolok
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the Survey of subdivisions of T. 35 S., R. 14 W., S. L. B. & M., in the state of Utah, showing the respective capacities in which they acted:

Sterling Wright, Chairman.
Claude L. Heist, Chairman.
Eugene S. Dally, Moundman.
George B. McConnell, Moundman.
Joseph D. Foster, Arman.
Carl V. Woolley, Arman.
Rodney B. Shelley, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts, United States Deputy Surveyor, in surveying all those parts or portions of the subdivisions of T. 35 S., R. 14 W.

of the Salt Lake Base and meridian, in the state of Utah, which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Sterling Wright, Chairman.
Claude L. Heist, Chairman.
Eugene S. Dally, Moundman.
George B. McConnell, Moundman.
Joseph D. Foster, Arman.
Carl V. Woolley, Arman.
Rodney B. Shelley, Flagman.

scribed and sworn to before me this 26th day of August, 1909.

Frank T. Roberts



U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of 5th day of April, 1909, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ^{re} surveyed all those parts or portions of the subdivisions of T. 35 S., R. 14 W.,

of the Salt Lake Base and meridian, in the state of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said ^{re} survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey.

Frank T. Roberts
United States Deputy Surveyor

Subscribed by said Frank T. Roberts, and sworn to before me,

this 21 day of January, 1910, ^X

oooooo
SEAL
ooooooo

Thomas Hull
U.S. Surveyor General
for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, ^X

The foregoing field notes of the ^{re} survey of the Subdivision of Township 35 South, Range 14 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts,
under his contract No. 315, dated April 5, 1909, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
^{re} surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor Gen

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JAN 12 1910

BOOK A-356

Morgan

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

W.E.G.T. BOUNDARY

of

TOWNSHIP NO. 35 SOUTH, RANGE NO. 14 E. E. ST.

Of the Salt Lake Poco and Meridian,

In the state of Utah

AS SURVEYED BY

Frank T. Robertis, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Retracement

commenced August 25, 1909

Retracement

completed August 25, 1909

P.M. - 16 - 1063
1-16-1063

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley, Chainman

Claude L. Heist, "

W. Warren Stratton Moundman

Sterling Wright, "

Joseph D. Foster, Axman

Rodney B. Shelley, Flagman

For preliminary affidavits see book "A" T. 35 S., R. 17 W.

BOOK A-356

INDEX DIAGRAM.

Township , *Range*

6	5	4	3	2	1
7	8	9	10	11	12
16	15	16	15	14	13
19	20	21	22	23	24
26	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey



Subscribed and sworn to before me this _____
day of _____, 190_____ }

We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey



Subscribed and sworn to before me this _____
day of _____, 190_____ }

We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey



Subscribed and sworn to before me this _____
day of _____, 190_____ }

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____



Subscribed and sworn to before me this _____
day of _____, 190_____ }

RETRACEMENT OF THE WEST BOUNDARY OF T.35 S., R.14 W.

CHAIN#

Survey commenced August 25, 1909 and executed with the instrument described in book "A" of this survey.

I know from recent observations made August 23 and 24, 1909 and recorded in book "Z" of this survey that the instrument is in adjustment.

I begin at the cor. of secs. 1-6-7 and 12, on the W.bdy. of T.35 S., R.14 W., heretofore described in the retracement of the Subdivisions of T.35 S., R.14 W., and run

South, retracing bet. secs. 7 and 12.

40.20 Fall 11 lks.E. of the $\frac{1}{4}$ sec.cor. bet. secs. 7 and 12, which is a granite stone, 4x8x6 ins. above ground, marked and witnessed as described by the surveyor general.

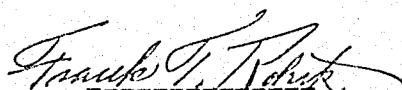
I continue on same line south

80.66 Fall 22 lks.E. of the cor. of secs. 7-12-13 and 18, heretofore described.

The course of this line is therefore S.0°10'W., and the distance, 80.66 chs.

For General Description see Subdivisions of T.35 S., R. 14 W.

For table of latitudes and departures, see retracement of the Subdivisions of T.35 S., R.14 W.


U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

wing the respective capacities in which they acted:

or list of names and final oath of assistants see book "Z", Chainman. ¹⁴

T. 34 S., R. 13 W. _____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all
se parts or portions of the _____

..... of the _____

..... meridian, of which are represented

he foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
ner monuments established, according to the instructions furnished by the United States Surveyor
ederal for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

scribed and sworn to before me this _____
day of _____, 190 _____



FIDAL OATH OF UNITED STATES DEPUTY SURVEYOR.

The United States has been a signatory to the Convention on Biological Diversity, adopted at the Earth Summit in Rio de Janeiro, Brazil, on June 16, 1992. The Convention on Biological Diversity is a multilateral environmental agreement that aims to promote sustainable development by conserving biological diversity, ensuring sustainable use of its components, and promoting fair and equitable sharing of the benefits arising from the use of genetic resources.

10. The following table shows the number of hours worked by each employee in a company.

the following year, and the first permanent station was established at the mouth of the Columbia River in 1855. The first permanent station was established at the mouth of the Columbia River in 1855.

27 May 1912 Chester, Pa.

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APPENDIX A.

1877-1878 THE LADIES' FUND FOR THE CHURCH.

新嘉坡植物誌 (Botanical Notes from Singapore), April 1913

¹ The following section of this paper was written by Dr. John H. D. Stoddard, a well-known New England author.

Classification of the species

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4-670.

" 25 "

BOOK A-356

FILED

JAN 13 1910

M. J. R.

FIELD NOTES

MS. 602
OF THE SURVEY OF THE

R.A.S.T. BOUNDARY

of

TOWNSHIP NO. 36 SOUTH, RANGE NO. 15 WEST,

Of the Salt Lake Meridian, Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced September 1, 1909

Survey completed September 2, 1909

4-670

*W. C. D. S. C. L. O.
W. C. D. S. C. L. O.*

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chairman

Claude L. Heist, "

Erastus B. Dalley, Moundman

George R. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "J" T. 35 S., R. 19 W.

BOOK A-356

INDEX DIAGRAM.

Township , *Range*

6	5	4	3	2	1	7
7	8	9	10	11	12	2
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of, 190 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of, 190 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of, 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of, 190 }



EAST BOUNDARY OF T.36 S., R.15 WEST.

CHAINS

Survey commenced September 1, 1909 and executed with the instrument described in book "A" of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of secs. 7-12-13 and 18, on the E. bdy. of the Tp., which is a granite stone, 11x12x6 ins. above ground, marked and witnessed as described by the surveyor general, in approximate latitude, $37^{\circ}42'N.$, longitude $113^{\circ}25'W.$, I set off $37^{\circ}42'N.$, on lat. arc, $8^{\circ}16'N.$, on decl. arc, and at 4h., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor. At 8h.49m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

September 1, 1909

September 2: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $37^{\circ}42'N.$, on lat. arc, $8^{\circ}05'N.$ on decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines

EAST BOUNDARY OF T.36 S., R.15 W.

CHAINS

positions for meridians, respectively about 0'21" west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m. is N.16°06'W., the angle thus determined gives the mag.decl.16°06'E.

From the sec.cor.already described I run

North, bet. secs.7 and 12.

Ascend over mountainous land.

- 4.50 Enter scattering timber.
- 31.50 Begin abrupt ascent over rocky land, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 ins. diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 12 on W.half, and S 7 on E.half, from which
A pinon, 5 ins. diam., bears N.63°E., 55 lks.dist.,
marked $\frac{1}{4}$ S 7 BT.
No other trees within limits and raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.
Pits impracticable.
- 53.00 Rocky ridge, bears NE. and SW.
Descend.
- 57.00 Hollow, 100 ft. deep, course NW.
Ascend abruptly over broken ledges.
- 77.00 Granite spur, projects W.
Descend abruptly over granite ledges.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., in mound of stone and earth, for cor.of secs.1-6-7 and 12, marked on brass cap T 36 S on N.half,
R 15 W S 1 in NW.,
R 14 W S 6 in NE.,
S 7 in SE., and
S 12 in SW.quadrant, from which

EAST BOUNDARY OF T.36 S., R.15 W.

CHAINS

A pinon, 10 ins. diam., bears N.54° E., 22 lks. dist., marked T 36 S R 14 W. S 6 BT.

A pinon, 7 ins. diam., bears S.46° E., 21 lks. dist., marked T 36 S R 14 W S 7 BT.

A pinon, 12 ins. diam., bears N.7° W., 20 lks. dist., marked T 36 S R 15 W S 1 BT.

No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

Land, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

North, bet. secs. 1 and 6.

Descend abruptly over broken granite ledges, through scattering timber.

9.00 Hollow, 400 ft. deep, course SW.

Abrupt ascent.

16.00 Rocky ridge, bears NE. and SW.

Abrupt descent.

Enter heavy timber, bears NE. and SW.

Abrupt descent.

29.00 Hollow, 250 ft. deep, course NW.

Abrupt ascent.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on W. half, and S 6 on E. half, from which

A pinon, 14 ins. diam., bears N.67° E., 21 lks. dist., marked $\frac{1}{4}$ S 6 BT.

A pinon, 8 ins. diam., bears S.65° W., 9 lks. dist., marked $\frac{1}{4}$ S 1 BT.

EAST BOUNDARY OF T.36 S., R.15 W.

CHAINS

September 2: At this cor. I set off 7°58' N. on decl. arc, and at 12 M., l.m.t., observe the sun on the meridian, the resulting lat. is 37°43' N.

42.00 Rocky spur, projects W.
Abrupt descent.

49.50 Hollow, 200 ft. deep, course W.
Ascend abruptly along steep east slope over broken ledges.

76.40 Rocky ridge, bears NW. and SE.
Descend abruptly over ledges.

84.86 Intersect 7th Stan. Par. S., 3.64 chs. W. of the stan.cor. of Tps. 35 S., Rs. 14 and 15 W., heretofore described.
Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for closing cor. of Tps. 36 S., Rs. 14 and 15 W., marked on brass cap T 35 S R 15 W S 36 R 14 W S 31 on N. half, and CG S1 R 15 W S 6 R 14 W T 36 S. on S. half, from which
A pinon, 18 ins. diam., bears S.74° E., 74 lks. dist.,
marked T 36 S R 14 W S 6 BT.
A pinon, 7 ins. diam., bears S.41° W., 42 lks. dist.,
marked T 36 S R 15 W S 1 BT.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land, on 84.86 chs.

September 2, 1909

For General Description see Subdivisions of T.36 S., R. 15 W.

For table of latitudes and departures see retracement of Subdivisions of T.36 S., R. 15 W.

Frank T. Roberts
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
....., United States Deputy Surveyor, to assist in running, measuring, and
g the lines and corners described in the foregoing field notes of the survey of

g the respective capacities in which they acted:

list of names and final oath of assistants see book #Z¹³, "Chairman."

34 S., R. 13 W., *Chairman.*

, Moundman.

....., Mourman
....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
....., United States Deputy Surveyor, in surveying all
parts or portions of the

.....of the.....

..... meridian, of which are represented
foregoing field notes as having been surveyed by him and under his direction; and that said survey
is in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
monuments established, according to the instructions furnished by the United States Surveyor

I for _____

..., *Chairman.*

..., Chairman.

... Moundman.

..., Moundman.

..., Axman.

Axman.

..., Flagman.

bed and sworn to before me this }
..... of 190 }
.....

REAL

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z 13" T. 34 S., R. 12 W.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____ }



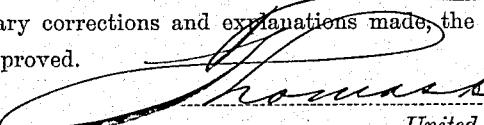
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910

The foregoing field notes of the survey of the East Boundary of Township 36 South, Range 15 West of the Salt Lake Base and Meridian, Utah,

executed by _____, Frank T. Roberts
under his contract No. 313 _____, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-356

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FIELD NOTES

RE
OF THE SURVEY OF THE

SOUTH BOUNDARY

of

TOWNSHIP NO. 36 SOUTH, RANGE NO. 15 WEST,

Of the Salt Lake Range, and Meridian,

In the state of Utah

AS SURVEYED BY

Frank C. Pollock, United States Deputy Surveyor,

Under his Contract No. 317, dated April 5, 1909

Survey commenced September 3, 1909

Survey completed September 3, 1909

4-870

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley, Chainman

Claude L. Heist, "

W. Warren Stratton Moundman

Sterling Wright, "

Joseph D. Foster, Axman

David W. Clegg, "

Rodney E. Shelley, Flagman

For preliminary affidavits see book "A" T. 35 S., R. 17 W.

BOOK A-356

INDEX DIAGRAM.

Township 36 South, Range 15 West

6	5	4	3	2	1
7	8	9	10	11	12
16	17	16	15	14	13
10	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
5	3	1	1		

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 190 }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 190 }



WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 190 }



RESURVEY OF THE SOUTH BOUNDARY OF T.36 S., R.15 W.

CHAINS

Survey commenced September 3, 1909 and executed with the instrument described in book "A", of this survey.

I know the instrument to be in adjustment from recent observations made September 1 and 2 at the cor. of secs. 7-12-13 and 18, on the E.bdy. of the township and recorded in book " Z 5 " of this survey.

At 6h. 59m.. a.m., l.m.t., I set off $37^{\circ}38'N.$, on lat.arc, $7^{\circ}42'N.$, on decl.arc, and determine a meridian with the solar at the cor.of secs. 3-4-33 and 34, on the S.bdy. of the township which is a granite stone, 8x12x3 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run

West, retracing bet.secs. 4 and 33, at 40.32 chs. the $\frac{1}{4}$. sec.cor bears N.15 lks.dist. and at 79.90 chs., the cor.of secs. 4-5-32 and 33, bears S., 20 lks.dist.

I continue my line west and find the line out of limits for course and distance.

There being no subdivisions dependent upon this line I resurvey this line as follows:

From the cor.of secs. 3-4-33 and 34, heretofore described I run

West, bet.secs. 4 and 33.

Ascend over rocky and mountainous land, through scattering timber.

4.00 Spur, projects NE.

Abrupt descent.

10.50 Hollow, 150 ft. deep, course NE.

Abrupt ascent.

22.00 Spur, projects S.

Descend.

27.00 Same hollow, 75 ft. deep, course SE.

Abrupt ascent.

RESURVEY OF THE SOUTH BOUNDARY OF T. 36 S., R. 15 W.

CHAINS	
36.50	Spur, projects NE. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 33 on N. half, and S 4 on S. half, from which A cedar, 12 ins. diam., bears N. 14° E., 16 lks. dist., marked $\frac{1}{4}$ S 33 BT. A cedar, 5 ins. diam., bears S. 41° W., 3 lks. dist., marked $\frac{1}{4}$ S 4 BT. I destroy all traces of the old $\frac{1}{4}$ sec. cor.
41.25	Hollow, 150 ft. deep, course N. Abrupt ascent.
46.50	Spur, projects N. Abrupt descent.
49.25	Hollow, 150 ft. deep, course NE. Abrupt ascent.
52.00	Spur, projects NE. Abrupt descent.
53.50	Hollow 150 ft. deep, course NE. Abrupt ascent.
60.00	Spur, projects NE. Descend.
63.75	Hollow, 100 ft. deep, course NE. Abrupt ascent.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for re-established cor. of secs. 4-5-32 and 33, marked on brass cap, T 36 S S 32 in NW., R 15 W S 33 in NE., R 15 W S 4 in SE., and T 37 S S 5 in SW. quadrant, from which A pinon, 7 ins. diam., bears S. 57° E., 48 lks. dist., marked T 37 S R 15 W S 4 BT.

RESURVEY OF THE SOUTH BOUNDARY OF T. 36 S., R. 15 W.

CHAINS

A pinon, 7 ins. diam., bears S. 45° W., 19 lks. dist., marked T. 37 S. R. 15 W. S. 5 BT.

No other trees within limits and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

I destroy all traces of the old sec. cor.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

September 3: At this cor. I set off 7° 36' N., on decl. arc, and at 11h. 59m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 38' N.

West, bet. secs. 5 and 32.

Ascend abruptly over rocky and mountainous land through heavy timber.

4.75 Spur, projects NE.

Descend.

10.75 Hollow, 100 ft. deep, course NE.

Abrupt ascent.

21.25 Ridge, bears NW. and SE.

Abrupt descent.

36.00 Hollow, 250 ft. deep, course NW.

Abrupt ascent over broken ledges.

39.20 The old $\frac{1}{4}$ sec. cor. bears N. 47 lks. dist.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for re-established $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S. 32 on N. half, S 5 on S. half, from which

A pinon, 15 ins. diam., bears N. 23° W., 57 lks. dist., marked $\frac{1}{4}$ S. 32 BT.

A cedar, 7 ins. diam., bears S. 23° E., 28 lks. dist., marked $\frac{1}{4}$ S 5 BT.

RESURVEY OF THE SOUTH BOUNDARY OF T. 36 S., R. 15 W.

CHAINS	
	I destroy all traces of the old $\frac{1}{4}$ sec.cor.
41.40	Rocky spur, projects NW. Abrupt descent.
58.50	Hollow, 200 ft. deep, course NW. Abrupt ascent.
62.50	Spur, projects N. Abrupt descent.
65.00	Hollow, 100 ft. deep, course NE. Abrupt ascent.
73.70	Ridge, bears NW. and SE. Abrupt descent.
77.50	Hollow, 150 ft. deep, course NW. Abrupt ascent.
79.71	The old cor.of secs. 5-6-31 and 32 bears N. 13 lks.dist.
80.00	Set an iron post, 3 ft. long, 3 ins.dia.m, 24 ins.in the ground, for re-established cor.of secs. 5-6-31 and 32, marked on brass cap
	T 36 S S 31 in NW.,
	R 15 W S 32 in NE.,
	R 15 W S 5 in SE., and
	T 37 S S 6 in SW.quadrant, from which
	A pinon, 7 ins.diam., bears N.45°30'E., 32 lks.dist., marked T 36 S R 15 W S 32 BT.
	A pinon, 6 ins.diam., bears S.21°E., 46 lks.dist., marked T 37 S R 15 W S 5 BT.
	A pinon, 15 ins.diam., bears S.69°W., 47 lks.dist., marked T 37 S R 15 W S 6 BT.
	A cedar, 15 ins.diam., bears N.50°30'W., 18 lks.dist., marked T 36 S R 15 W S 31 BT.
	I destroy alll traces of the old sec.cor.
	Land, mountainous.
	Soil, rocky, 3rd.and 4th.rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.

RESURVEY OF THE SOUTH BOUNDARY OF T.36 S., R.15 W.

CHAINS	
	West, bet.secs.6 and 31.
	Ascend abruptly over rocky and mountainous land along steep north slope through heavy timber.
1.10	Spur, projects N.
	Abrupt descent.
4.00	Hollow, 125 ft.deep, course N.
	Abrupt ascent.
12.00	Ridge, bears N.and S.
	Abrupt descent.
19.00	Hollow, 150 ft.deep, course N.
	Abrupt ascent.
24.00	Ridge, bears NW.and SE.
	Abrupt descent.
27.20	Begin abrupt descent over conglomerate ledges, 100 ft. high, bearing NW.and SE.
28.35	Foot of ledges, bearing NW.and SE.
	Abrupt descent.
36.00	Hollow, 250 ft.below top of last ridge, course NW.
	Ascend.
39.70	The old $\frac{1}{4}$ sec.cor.bears S.153 lks.dist.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground for re-established $\frac{1}{4}$ sec.cor.marked on brass cap $\frac{1}{4}$ S 31 on N.half, and S 6 on S.half, from which A pinon, 5 ins.diam., bears N.42°W., 15 lks.dist., marked $\frac{1}{4}$ S 31 BT.
	A pinon, 8 ins.diam., bears S.70°E., 22 lks.dist., marked $\frac{1}{4}$ S 6 BT.
	I destroy all traces of the old $\frac{1}{4}$ sec.cor.
40.25	Ridge, bears NW.and SE.
	Descend.
45.00	Head of hollow, course NW.
	Leave heavy timber, bears NE.and SW.
	Enter scattering timber.

RESURVEY OF THE SOUTH BOUNDARY OF T.36 S., R.15 W.

CHAINS	
	Ascend.
65.60	Rocky spur, projects SE.
	Descend along steep south slope.
70.50	Hollow, 100 ft. deep, course S.
	Abrupt ascent.
73.48	Rocky spur, projects S.
	Descend abruptly along steep south slope.
88.00	Hollow, 200 ft. deep, course NW.
	Ascend abruptly along steep north slope.
92.90	Intersect Pine Valley Guide Meridian, 5.71 chs. south of the cor. of secs. 25-30-31 and 36, which is a sandstone 18x12x6 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for closing cor. of Tps. 36 and 37 S., R.15 W., marked on brass cap T 36 S on N.half, T 37 S on S.half, R 16 W S 25 S 36 on W.half, and R 15 W S 31 CC S 6 on E.half, from which A pinon, 7 ins. diam., bears N.39°E., 86 lks. dist., marked T 36 S R 15 W S 31 BT. A pinon, 8 ins. diam., bears S.22°E., 110 lks. dist., marked T 37 S R 15 W S 6 BT. I destroy all traces of the old closing cor. of Tps. 36 and 37 S., R.15 W. which bears S., 11.20 chs. from this cor. I destroy all marks on the cor. of secs. 25-30-31 and 36 and of the cor. of Tps. 36 and 37 S., R.15 and 16 W., that pertain to R.15 W. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 92.90 chs.

September 3, 1909.

RESURVEY OF THE SOUTH BOUNDARY OF T.36 S., R.15 W.

For General Description see Subdivisions of T.36 S.,
R.15 W.

For table of latitudes and departures see retracements
of the Subdivisions of T.36 S., R.15 W.

Frank T. Roberts
U.S. Deputy Surveyor.

Volume

R0356

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

owing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z¹⁴Chainman."

T. 34 S., R. 12 W. _____, Chainman.

_____ Moundman.

_____ Moundman.

_____ Axman.

_____ Axman.

_____ Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all
ose parts or portions of the _____

of the _____

..... meridian, of which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____ Chainman.

_____ Chainman.

_____ Moundman.

_____ Moundman.

_____ Axman.

_____ Axman.

_____ Flagman.

scribed and sworn to before me this _____
day of _____, 190 }
{



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 34 S., R. 12 W. 14

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____



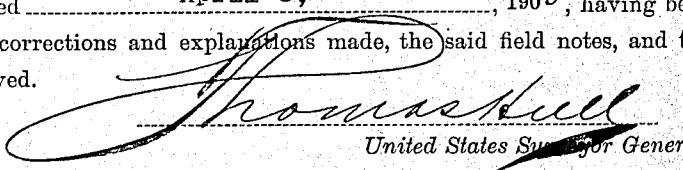
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, 1909

The foregoing field notes of the survey of the South Boundary of Township 36 South, Range 15 West of the Salt Lake Base and Meridian, Utah.

executed by _____ Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


Frank T. Roberts
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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FILE

JAN 13 1909

BOOK A-356

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 36 SOUTH, RANGE NO. 15 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 513, dated April 5, 1909

Tracement

Survey commenced September 4, 1909

Tracement

Survey completed September 6, 1909

Autob 12 24 - 36

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus B. Dalley, Moundman

George B. McConnell, "

Joseph D. Foster, Axman

Earl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "X" T.35 S., R. 15 W.

BOOK A-356

INDEX DIAGRAM.

Township 26 South, Range 15 West.

Meanders Page.....

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainm

, Chainm

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundm

, Moundm

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

, Axm

, Axm

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagm

Subscribed and sworn to before me this }
day of , 190 }



RETRACEMENT OF THE SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

Survey commenced September 4, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors, thento test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor.of secs. 7-12-13 and 18, heretofore described on the E.bdy. of the Tp., in approximate latitude $37^{\circ}42'N.$, longitude $113^{\circ}25'W.$, I set off $37^{\circ}42'N.$, on lat. arc, $7^{\circ}11'N.$, on decl.arc, and at 3h.59m., p.m., l.m.t., determine with the solar a meridian and mark apoint thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

At 8h.37m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground, 5 chs.N. of my station.

September 4, 1909

September 5: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}29'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.4 ins.east of the mark determined by the solar.

At 6h.59m., a.m., l.m.t., I set off $37^{\circ}42'N.$ on lat.arc, $6^{\circ}58'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station;this mark falls 0.4 ins.east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations defines positions for meridians, respectively about $0'21''$ west and east of the meridian established by the Polaris obser-

RETRACEMENT OF THE SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

vations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m. a.m. is N. $16^{\circ}06'W.$, the angle thus determined gives the mag.decl. $16^{\circ}06'E.$

From the sec.cor.already described I run

$N.89^{\circ}54'W.$, retracing bet.secs.12 and 13.

40.90 Fall 12 lks.N.of the $\frac{1}{4}$ sec.cor.betsecs.12 and 13, which is a granite stone, 10x11x5 ins.above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore $S.89^{\circ}56'W.$, and the distance 40.90 chs.

I offset over the $\frac{1}{4}$ sec.cor.and continue $N.89^{\circ}54'W.$

42.91 Fall 77 lks.N.of the cor.of secs.11-12-13 and 14, which is a granite stone, 7x10x6 ins.above the ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore $S.89^{\circ}04'W.$, and the distance 42.92 chs.

$N.89^{\circ}48'W.$, retracing bet.secs.11 and 14.

43.33 Fall 112 lks.N.of the $\frac{1}{4}$ sec.cor.which is a cedar tree 15 ins.diam., marked and witnessed as described by the surveyor general.

The course of this line is therefore $S.88^{\circ}43'W.$, and the distance 43.34 chs.

I offset over the $\frac{1}{4}$ sec.cor.and continue $N.89^{\circ}48'W.$

40.42 Fall 23 lks.S.of the cor.of secs.10-11-14 and 15, which is a lava stone, 10x10x8 ins.above ground, marked and witnessed as described by the surveyor general.

The course of this line is therefore $N.89^{\circ}28'W.$, and the distance 40.42 chs.

RETRACEMENT OF THE SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
	N.89°51'W., retracing bet.secs.10 and 15.
40.48	Fall 17 lks.S. of the $\frac{1}{4}$ sec.cor.betsecs.10 and 15 which is a granite stone, 7x12x6 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.89°36'W., and the distance 40.48 chs. I offset over the $\frac{1}{4}$ sec.cor. and continue N.89°51'W.
40.54	Fall 7 lks.S. of the cor.of secs.9-10-15 and 16, which is a granite stone, 15x7x6 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.89°45'W., and the distance 40.54 chs. September 5: At this cor.I set off 6°52'N., on decl.arc, and at 11h.59m., a.m., l.m.t., observe the sun on the meridian, the resulting lat.is 37°42'N.
	North, retracing bet.secs.9 and 10.
23.30	Road from Newcastle to Lund, bears NE. and SW.
26.20	Wire fence, bears NE. and SW. This wire fence runs northeast about 5 chs.dist., thence northwest to section line.
40.42	Fall 3 lks.W. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 12x10x7 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general. I continue on same line, with continuous chaining
69.00	To wire fence bears SE. and N. Thence along wire fence.
80.40	Road bears NE. and SW. and gate in wire fence.
80.57	Fall 5 lks.W. of the cor.of secs.3-4-9 and 10, which is a granite stone, 6x6x5 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°02'E., and the distance 80.57 chs.

CHAINS	North, retracing bet.secs.3 and 4.
40.00	No trace can be found of the $\frac{1}{4}$ sec.cor.
84.68	Fall 6 lks.E.of the closing cor.of secs.3 and 4.,on the 7th.Stan.Par.S., which is a granite stone 8x6x6 ins.above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°02'W. Thence I run
	S.0°02'E., bet.secs.3 and 4 to set missing $\frac{1}{4}$ sec.cor.
	Over level cultivated land.
5.64	Cor of wire fence bears W.and S. Thence along wire fence cultivated land on both sides.
44.51	Set an iron post, 3 ft.long; 1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 4 on W.half, and S 3 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$ ft.high, W.of cor. After diligent search no trace can be found of the old $\frac{1}{4}$ sec.cor.
60.12	A wire fence from the east joins the north and south fence. Leave cultivated land.
84.68	The cor.of secs.3-4-9 and 10. Land,level. Soil, loam, 1st.rate. No timber.

September 5, 1909

RETRACEMENT OF THE SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
	September 6: At 6h.58m., a.m., l.m.t., I set off $37^{\circ} 38' N.$ on lat.arc, $6^{\circ} 35' N.$, on decl.arc, and determine a meridian with the solar at the cor.of secs. 3-4-33 and 34, heretofore described on the S.bdy. of the Tp. Thence I run North, bet.secs.33 and 34.
40.65	Fall 35 lks.E. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 6x8x4 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore $N.0^{\circ}30'W.$ and the distance 40.65 chs. I offset over the $\frac{1}{4}$ sec.cor. and continue north
40.69	Fall 89 lks.E. of the cor.of secs. 27-28-33 and 34 which is a granite stone, 12x12x12 ins. above the ground, marked and witnessed as described by the surveyor general. The course of this line is therefore $N.1^{\circ}15'W.$, and the distance 40.70 chs.
	North, retracing bet.secs. 27 and 28.
40.18	Fall 21 lks.E. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 6x15x3 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore $N.0^{\circ}18'W.$, and the distance 40.18 chs. I offset over the $\frac{1}{4}$ sec.cor. and continue north
40.69	Fall 77 lks.E. of the cor.of secs. 21-22-27 and 28, which is a granite stone, 12x9x6 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general. The course of this line is therefore $N.1^{\circ}06'W.$, and the distance 40.70 chs.

CHAINS	
	West, retracing bet. secs. 21 and 28.
40.09	Fall 123 lks. N. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 18x8x6 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general. The course of this line is therefore S.88°14'W., and the distance 40.10 chs. I offset over the $\frac{1}{4}$ sec.cor. and continue west.
40.10	Fall 12 lks. N. of the cor. of secs. 20-21-28 and 29, which is a granite 15x10x5 ins., firmly set in a mound of stone marked and witnessed as described by the surveyor general. This cor. is set on top of a high ridge, bearing NW. and SE. The course of this line is therefore S.89°50'W., and the distance 40.10 chs. September 6: At this cor. I set off 6°29'N., on decl. arc, and at 11h.58m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37°40'N.
	North, retracing bet. secs. 20 and 21.
40.25	Fall 21 lks. E. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 15x7x5 ins., firmly set in a mound of stone, marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°18'W., and the distance 40.25 chs. I offset over the $\frac{1}{4}$ sec.cor. and continue north
28.90	Tent house, 15 ft. sq., on line, belonging to Ada Forsyth.
30.25	Road from Newcastle to Enterprise bears NE. and SW.
32.65	Wire fence bears E. and W.
	Enter cultivated land.
40.68	Fall 33 lks. E. of the cor. of secs. 16-17-20 and 21, which is a granite stone, 7x6x3 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°28'W., and the distance 40.68 chs.

RETRACEMENTS OF THE SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
	North, retracing bet. secs. 16 and 17.
20.45	Wire fence, bears E., W. and N. Thence along wire fence.
40.37	Intersect the $\frac{1}{4}$ sec.cor. which is a volcanic stone, 8x8x6 ins above ground, marked and witnessed as described by the surveyor general.
60.00	Wire fence from west joins fence running south.
60.30	Road from Newcastle to Modena, bears E. and W.
61.14	Wire fence from west joins wire fence running north. Thence along wire fence.
81.19	Intersect the cor. of secs. 8-9-16 and 17, which is a granite stone, 7x6x4 ins. above ground, marked and witnessed as described by the surveyor general.
	North, retracing bet. secs. 8 and 9. Along wire fence.
40.15	Intersect the $\frac{1}{4}$ sec.cor. which is a granite stone, 8x6x5 ins. above ground, marked and witnessed as described by the surveyor general.
80.41	Intersect the cor. of secs. 4-5-8 and 9, which is a granite stone, 8x6x4 ins. above ground, marked and witnessed as described by the surveyor general.
	<u>L</u>
	North, retracing bet. secs. 4 and 5.
0.05	Road from Newcastle to T.W.Jones' house bears E. and W. Cultivated land belonging to N.T.Porter, begins along west side of this line.
28.00	NW.cor. of cultivated land, bears west about 20.00 chs.
40.24	Fall 4 lks.W. of the $\frac{1}{4}$ sec.cor. which is a granite stone, 10x4x3 ins. above ground, marked and witnessed as described by the surveyor general.
	I continue on same line.

CHAINS

80.82 Cor. of wire fence, bears W. and S.

85.60 Fall 7 lms.W. of the closing cor. of secs. 4 and 5, which is a volcanic stone, 4x3x5 ins. loosely set marked and witnessed as described by the surveyor general.

This stone being below the limits in size as required by the Manual I re-establish this cor. as follows:

At exact point of original cor. I set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for re-established closing cor. of secs. 4 and 5, marked on brass cap

T 34 S R 15 W S 32 CC S 33 on N. half, and

S 4 & S 5 on S. half, dig pits, 24x18x12 ins., crosswise on each line, E. and W., 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor. The new cor. obliterates all traces of the old cor.

From this closing cor. the stan.cor. of secs. 32 and 33;

T 34 S R 15 W., which is a granite stone, 5x8x3 ins. above ground, bears E. 13.24 chs.

The course of the line bet. secs. 4 and 5 is therefore

N. 0° 03' E., and the distance 85.60 chs.

There is no change of topography on these lines except where noted.

September 6, 1909

BOUNDARIES OF EASTERN PORTION T. 36 S. R. 15 W.
Latitudes, Departures and closing errors.

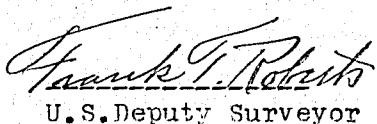
Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
Subdivisions bet.						
Secs. 12 & 13	S. 89° 56' W.	40.90		0.05		40.90
	S. 89° 04' W.	42.92		0.70		42.91
" 11 & 14	S. 89° 43' W.	43.34		0.97		43.33
	N. 89° 28' W.	40.42	0.37			40.42
" 10 & 15	N. 89° 36' W.	40.48	0.28			40.48
	N. 89° 45' W.	40.54	0.18			40.54
" 9 & 10	N. 0° 02' E.	80.57	80.57		0.05	0.05
" 3 & 4	N. 0° 02' W.	84.68	84.68			
7th Stan. Par. S.	East	248.11			248.11	
E. bdy.	South	164.86		164.86		0.09
Surveyor's key						
Total		166.98	166.58	249.25	248.63	
			166.08		248.25	
Error in lat. and dep.						
			0.50			.38

-9-
BOUNDARIES OF WESTERN PORTION OF T.36 S., R.15 W.

Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes N. . . S.	Departures E. . . W.	
			Chs. Chs.	Chs. Chs.	Chs.
Subdivisions bet. Secs. 33 & 34	N.0°30'W.	40.65	40.65		0.35
" 27 & 28	N.1°15'W.	40.70	40.69		0.89
" 21 & 28	N.0°18'W.	40.18	40.18		0.21
" 20 & 21	N.1°06'W.	40.70	40.69		0.78
" 16 & 17	S.88°14'W.	40.10		1.23	40.09
" 8 & 9	S.89°50'W.	40.10		0.12	40.10
" 4 & 5	N.0°28'W.	40.68	40.68		0.33
7th Stan. Par. S.	West	167.88			167.88
Pine Val. G.M.	South	487.42		487.42	
South Bdy.	East	252.90			252.90
Convergency					0.23
Totals			490.34 488.77	488.77 252.97 251.07	251.07
Error in lat. and dep.			1.57		1.90

For General Description see Subdivisions of T.36 S.,
R.15 W.



Frank T. Roberts
U.S. Deputy Surveyor

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of subdivisions of Tps. 35 S., Rs. 14 and 15 W., and T. 36 S., R. 15 W., S. L. B. & M. in the state of Utah, showing the respective capacities in which they acted:

Sterling Wright, Chainman.
Claude L. Heist, Chainman.
Erastus B. Dalley, Moundman.
George B. McConnell, Moundman.
Joseph D. Foster, Axman.
Earl V. Woolley, Axman.
Rodney B. Shelley, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts, retracing, United States Deputy Surveyor, in surveying all parts or portions of the Subdivisions of Tps. 35 S., Rs. 14 and 15 W., and T. 36 S., R. 15 W.,

of the Salt Lake base and meridian, in the state of Utah, which are represented by the foregoing field notes as having been surveyed by him and under his direction; and that said survey was in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Sterling Wright, Chainman.
Claude L. Heist, Chainman.
Erastus B. Dalley, Moundman.
George B. McConnell, Moundman.
Joseph D. Foster, Axman.
Earl V. Woolley, Axman.
Rodney B. Shelley, Flagman.

scribed and sworn to before me this 6th day of September, 1909.

{ Frank T. Roberts

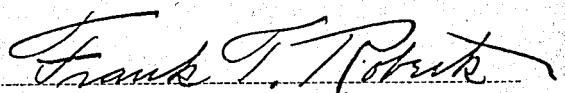


U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

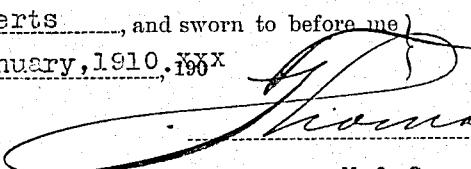
I, Frank T. Roberts, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull, United States Surveyor General for Utah, bearing date of the 5th day of April, 1909, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ retraced all those parts or portions of Subdivisions of Tps. 35 S., Rs. 14 and 15 W., and T. 36 S., R. 15 W.

of the Salt Lake Base and meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said ~~survey~~ retrace have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ retrace.


Frank T. Roberts
United States Deputy Surveyor

Subscribed by said Frank T. Roberts, and sworn to before me
this 21 day of January, 1910, 1909




Thomas Hull
U.S. Surveyor-General

for Utah.

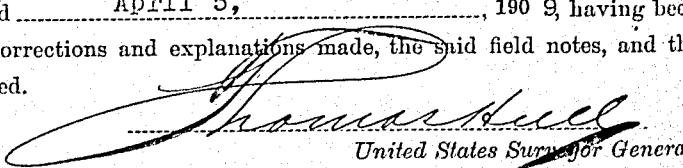
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, 1909

The foregoing field notes of the ~~survey~~ retrace of the Subdivision of Township 36 South, Range 15 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~retrace~~ they describe, are hereby approved.


Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

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BOOK A-356

FILED
JAN 13 1910
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FIELD NOTES

n.s.B.
OF THE SURVEY OF THE

S U R D I V I S I O N S

TOWNSHIP NO. 36 SOUTH, RANGE NO. 15 WEST,

TR 15 W

Of the Salt Lake Base and Meridian,
in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,
under his Contract No. 313, dated April 5, 1909.
Survey commenced September, 1909.
Survey completed September 10, 1909.

*Job 26 JH-90 ✓
Cyg 1-21-00 ✓*

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus E. Dally, Moundman

George B. McConnell, "

Joseph L. Foster, Axman

Earl V. Woolley, "

Rodney E. Shelley, Flagman

For preliminary affidavits see Book "E". T. 35. S., R. 17. W.

BOOK A-356

INDEX DIAGRAM.

Township 36 South, Range 15 West.

6	31	5	4	3	9	2	6	1
29	29			3		2		1
7	28	8	9	10	7	11	4	12
27	26							
16	25	17	16	15		14		13
24	23							
19	23	20	21	22		23		24
22	20							
30	19	29	18	28	27	26		25
17	16		11					
31	15	32	13	33	34	35		36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman

....., Chainman

Subscribed and sworn to before me this }
day of , 190 }



We, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

....., Moundman

....., Moundman

Subscribed and sworn to before me this }
day of , 190 }



We, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

....., Axman

....., Axman

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of

....., Flagman

Subscribed and sworn to before me this }
day of , 190 }



SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS

Survey commenced September 7, 1909 and executed with the instrument described in book "A", of this survey.

I know the instrument to be in adjustment from recent observations made September 4 and 5, 1909, at the cor. of secs. 7-12-13 and 18 on the E.bdy.of T.36 S., R.15 W., and recorded in book "Z" of this survey.

The S.bdy.of secs. 10, 11 and 12 being out of limits for course and distance , in order to subdivide the northeastern portion of township I begin at the cor.of secs. 1-6-7 and 12 on the E.bdy.of the Tr., and proceed as follows:

At 6h.58m., a.m., 1.m.t., I set off $37^{\circ}43'N.$, on lat.arc, $6^{\circ}13'N.$ on decl.arc, and determine a meridian with the solar, thence I run

West, on sectional correction line,

Bet.secs. 1 and 12.

Descend abruptly along steep north slope over broken ledges, through scattering timber.

21.00 Hollow, 300 ft. below sec.cor., course NW.

Abrupt ascent.

30.00 Rocky ridge, bears NW. and SE.

Leave timber.

Descend abruptly over granite ledges.

40.00 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 1 on N.half, and S 12 on S.half, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, N.of cor.

Pits impracticable.

61.00 Hollow, 200 ft.deep, course SW.

Abrupt ascent.

75.00 Ridge, bears NE. and SW.

Descend along north slope.

80.00 Set an iron post, 3 ft. long, 2 ins.dia., 24 ins.in the ground for cor.of secs. 1-2-11 and 12, marked on brass cap
T 36 S S 2 in NW.,
R 15 W S 1 in NE.,

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
	S. 12 in SE., and
	S 11 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.
	West, on sectional correction line,
	Bet. secs. 2 and 11.
	Descend over mountainous land.
13.00	Hollow, 100 ft. deep, course SW.
	Ascend.
	Enter scattering timber.
20.00	Ridger, bears NE. and SW.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap. $\frac{1}{4}$ S 2 on N. half, and S 11 on S. half, from which A cedar, 5 ins. diam., bears N. 36° W., 39 lks. dist., marked $\frac{1}{4}$ S 2 BT.
	A cedar, 9 ins. diam., bears S. 75° E., 52 lks. dist., marked $\frac{1}{4}$ S 11 BT.
53.00	Head of hollow, course N.
	Ascend.
	Leave timber.
60.00	Rocky spur, projects N.
	Abrupt descent.
65.00	Hollow, 150 ft. deep, course SW.
	Abrupt ascent.
76.00	Rocky ridge, bears NE. and SW.
	Abrupt descent.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the

SUBDIVISIONS OF T. 35 S., R. 15 W.

CHAINS	
	ground, for cor. of secs. 2-3-10 and 11, marked on brass cap T 36 S S 3 in NW., R 15 W S 2 in NE., S 11 in SE., and S 10 in SW. quadrant, and raise a mound of stone, 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land on 80.00 chs.
	West, on a random line, bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
88.58	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3-4-9 and 10, heretofore described. Thence I. run
	N. 89° 58' E., on a true line, Bet. secs. 3 and 10. Gradual ascent over rolling land, through sparse under-growth.
0.50	Road from Lund to Newcastle bears NE. and SW.
28.23	Road from Lund to Newcastle bears NE. and SW.
40.00	Begin ascent over mountainous land, bears NE. and SW.
48.58	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 3 on N. half, and S 10 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
60.00	Rocky spur, projects S. Abrupt descent.
65.60	Hollow, 300 ft. deep, course SW. Abrupt ascent.

CHAINS	
78.80	Rocky spur, projects S. Abrupt descent.
86.25	Hollow, 200 ft. deep, course SW. Abrupt ascent.
88.58	The cor. of secs. 2-5-10 and 11. Land, rolling and mountainous. Soil, loam, 1st. rate on 40.00 chs. balance, rocky, 3rd. and 4th. rate. No timber. Undergrowth, sage brush. Mountainous land on 48.58 chs.
	September 7: At this cor. I set off 6°07'N., on decl. arc, and at 11h.58m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37°43'N.
	From the cor. of secs. 1-2-11 and 12, heretofore described. the line bet. secs. 11 and 12 will not close within limits on the cor. of secs. 11-12-13 and 14, therefore I run S.0°01'E., on a true line, Bet. secs. 11 and 12. Ascend over rocky and mountainous land.
2.75	Ridge, bears NE. and SW. Abrupt descent.
11.00	Hollow, 150 ft. deep, course SW. Abrupt ascent. Enter scattering timber.
17.00	Spur, projects SW. Abrupt descent.
25.00	Hollow, 125 ft. deep, course SW. Abrupt ascent.
31.00	Spur, projects SW. Abrupt descent.
37.90	Hollow, 100 ft. deep, course NW.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
	Abrupt ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 on W. half, and S 12 on E. half, from which A cedar, 5 ins. diam., bears N.45°E., 148 lks. dist., marked $\frac{1}{4}$ S 12 BT. No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Leave timber.
53.50	Ridge, bears NW. and SW. Abrupt descent. Enter scattering timber.
74.75	Hollow, 200 ft. below top of ridge, course W. Ascend.
80.64	Intersect N.bdy. of sec. 13, N.89°04'E., 3.99 chs. from the cor. of secs. 11-12-13 and 14, heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 11 and 12, marked on brass cap T 36 S R 15 W S 11 CC S 12 on N. half, S 14 S 13 on S. half, from which A cedar, 5 ins. diam., bears N.46°E., 140 lks. dist., marked T 36 S R 15 W. S 12 BT. A cedar, 5 ins. diam. bears N.54°W., 38 lks. dist., marked T 36 S R 15 W S 11 BT. I destroy all marks on the cor. of secs. 11-12-13 and 14 that pertain to secs. 11 and 12. Land, mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land on 80.64 chs.

CHAINS	
	From the cor. of secs. 1-2-11 and 12, I run N.0°01'W., on a true line, Bet. secs. 1 and 2.
	Descend over rocky and mountainous land.
7.10	Hollow, 75 ft. deep, course SW. Enter scattering timber. Ascend.
10.00	Leave timber.
18.00	Ridge, bears NE. and SW. Abrupt descent.
24.75	Hollow, 150 ft. deep, course SW. Abrupt ascent.
30.75	Ridge, bears NE. and SW. Abrupt descent.
35.50	Enter scattering timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2 on W. half, and S 1 on E. half, from which A pinon, 5 ins. diam., bears N.64°E., 12 lks. dist., marked $\frac{1}{4}$ S 1 BT. A pinon, 6 ins. diam., bears N.72°W., 5 lks. dist., marked $\frac{1}{4}$ S 2 BT.
40.35	Hollow, 150 ft. deep, course NW. Abrupt ascent.
42.00	Spur, projects W. Abrupt descent.
44.10	Hollow, 150 ft. deep, course W. Abrupt ascent.
58.00	Ridge, bears NW. and SE. Leave timber. Abrupt descent.
65.00	Hollow, 150 ft. deep, course NW. Abrupt ascent.

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
69.00	Spur, projects NW. Abrupt descent.
75.00	Hollow, 150 ft. deep, course NW. Ascend abruptly along steep west slope over broken granite ledges.
84.71	Intersect 7th. Standard Parallel South, 3.41 chs. west from the stan. cor. of secs. 35 and 36, T. 35 S., R. 15 W. heretofore described and 35.59 chs. E. of the stan. sec. cor. on the S. bdy. of sec. 35, T. 36 S., R. 15 W., which is a flint stone, 10x9x6 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth for closing cor. of secs. 1 and 2, marked on brass cap T 35 S R 15 W S 35 CC S 36 on N. half, and S 2 S 1 on S. half, and raise a mound of stone, 2 ft. base, 1- $\frac{1}{2}$ ft. high, S. of cor. Pits impracticable. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 84.71 chs.
	Knowing from retracements that the line bet. secs. 10 and 11 will not close within limits on the cor. of secs. 10-11-14 and 15, I begin at the cor. of secs. 2-3-10 and 11 and run S. 0°01'E., on a true line, Bet. secs. 10 and 11. Ascend abruptly over rocky and mountainous land along steep west slope.
4.25	Rocky spur, projects SW. Abrupt descent.

CHAINS	
8.75	Hollow, 150 ft. deep, course W. Abrupt ascent.
14.00	Spur, projects NW. Abrupt descent.
17.00	Hollow, 100 ft. deep, course NW. Abrupt ascent.
20.00	Spur, projects NW. Abrupt descent.
26.00	Hollow, 100 ft. deep, course NW. Abrupt ascent.
29.00	Spur, projects W. Descend.
34.25	Hollow, 50 ft. deep, course W. Ascend.
38.75	Rocky ridge, bears E. and W. Abrupt descent. Enter scattering timber.
40.00	Set an iron post, 3 ft. long, lin. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 10 on W. half, and S 11 on E. half, from which A cedar, 6 ins. diam., bears N. 73° E., 126 lks. dist., marked $\frac{1}{4}$ S 11 BT. A cedar, 5 ins. diam., bears N. 82° W., 130 lks. dist., marked $\frac{1}{4}$ S 12 BT.
49.00	Hollow, 100 ft. deep, course W. Ascend.
67.00	Spur, projects W. Descend.
74.25	Hollow, 75 ft. deep, course NW. Ascend.
81.26	Intersect N. bdy. of sec. 14, S. 89° 28' E., 7.76' chs., from the cor. of secs. 10-11-14 and 15, heretofore described.

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS

Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth for closing cor. of secs. 10 and 11, marked on brass cap T 36 S R 15 W S 10 S 11 on N. half, and S 15 CC S 14 on S. half, from which

A cedar, 6 ins. diam., bears N. 12° E., 45 lks. dist., marked T 36 S R 15 W S 11 BT.

A cedar, 10 ins. diam., bears N. 47° W., 41 lks. dist., marked T 36 S R 15 W S 10 BT.

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

I destroy all marks on the cor. of secs. 10-11-14 and 15 that pertain to secs. 10 and 11.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land on 81.26 chs.

From the cor. of secs. 2-3-10 and 11, I run

N. 0° 01' W., on a true line,

Bet. secs. 2 and 3.

Descend abruptly over rocky and mountainous land, through sparse undergrowth.

2.50 Hollow, 150 ft. deep, course SW.

Abrupt ascent.

11.26 Ridge, bears NE. and SW.

Abrupt descent over broken ledges.

18.00 Hollow, 150 ft. deep, course SW.

Abrupt ascent.

25.80 Ridge, bears NE. and SW.

Abrupt descent.

Enter scattering timber.

40.00 Bottom of hollow, 200 ft. deep, course NW.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

	for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 3 on W.half, and S 2 on E.half, from which
	A cedar, 6 ins.diam., bears N.51°E., 83 lks.dist., marked $\frac{1}{4}$ S 2 BT.
	A cedar, 5 ins.diam., bears S.15°30'W., 47 lks.dist., marked $\frac{1}{4}$ S 3 BT.
	Abrupt ascent.
46.00	Spur projects W.
	Leave timber.
	Abrupt descent.
68.00	Foot of mountain, bears NW. and SW.
	Begin gradual descent over rolling land.
74.08	Road from Lund to Newcastle, bears NE. and SW.
84.51	Intersect 7th. Standard Parallel South, 439 lks.W. of the stan.cor.of secs.34 and 35, T.35 S., R.15 W., which is a granite stone, 18x15x12 ins., firmly set in a mound of stone marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins.dia., in mound of stone and earth for closing cor.of secs.2 and 3, marked on brass cap T 35 S R 15 W S 34 ^{GCS35} on N.half, and S 3 S 2 on S.half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S.of cor.
	Pits impracticable.
	On account of natural obstacles it is impossible to set this post over 15 ins.in the ground.
	This post is set by a wire fence which begins at the stan.cor.of secs.34 and 35 and runs west 28.00 chs., thence south 5.40 chs., thence west 25.00 chs.thence south and connects with fence described betsecs. 3 and 4.
	Land, mountainous and rolling.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Undergrowth, sage brush.
	Mountainous land on 68.00 chs.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
	September 8: At 6h.58m., a.m., l.m.t., I set off $37^{\circ}40'N.$ on lat.arc, $5^{\circ}51'N.$ on decl.arc, and determine a meridian with the solar at the cor.of secs. 20-21-28 and 29, heretofore described.
	Thence I run
	S. $0^{\circ}03'E.$, on a random line, bet.secs. 28 and 29.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Set temp.cor. for cor.of secs. 28-29-32 and 33.
	Thence I begin at this temp.cor. and run
	East on a random line, bet.secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
81.16	Fall 54 lks.S. of the cor.of secs. 27-28-33 and 34, heretofore described.
	The falling being out of limits I begin at the cor.of secs. 27-28-33 and 34 and run
	West on a true line, bet.secs. 28 and 33.
	Ascend over rocky and mountainous land, through scattering timber.
4.00	Spur, projects NE.
	Abrupt descent.
15.00	Hollow, 200 ft. deep, course NE.
	Abrupt ascent.
40.58	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 on N.half, and S 33 on S.half, from which
	A pinon, 7 ins.diam., bears N. $21^{\circ}W.$, 34 lks.dist., marked $\frac{1}{4}$ S 28 BT.
	A cedar, 12 ins.diam., bears S. $51^{\circ}W.$, 70 lks.dist., marked $\frac{1}{4}$ S 33 BT.
52.63	Spur, projects N.
	Abrupt descent.
63.00	Hollow, 100 ft. deep, course NE.
	Abrupt ascent.

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
69.95	Ridge, bears N. and S. Abrupt descent.
81.16	At a point 54 lks. S. of the temp. cor. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 28-29-32 and 33, marked on brass cap T 36 S S 29 in NW., R 15 W S 28 in NE., S 33 in SE., and S 32 in SW. quadrant, from which A cedar, 8 ins. diam., bears N. 65° E., 63 lks. dist., marked T 36 S R 15 W S 28 BT. A pinon, 10 ins. diam., bears S. 38° E., 77 lks. dist., marked T 36 S R 15 W S 33 BT. No other trees within limits and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 81.16 chs.
	N. 0° 03' W., on a true line, Bet. secs. 28 and 29.
	Ascend abruptly over rocky and mountainous land, through scattering timber.
7.00	Rocky spur, projects W. Abrupt descent.
27.00	Hollow, 300 ft. deep, course W. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on W.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

half, and S.28 on E. half, from which
 A cedar, 4 ins. diam., bears N.32°30' E., 54 lks. dist.,
 marked $\frac{1}{4}$ S 28 BT.
 A cedar, 4 ins. diam., beard N.14°W., 85 lks. dist.,
 marked $\frac{1}{4}$ S 29 BT.

58.60 Rocky spur, projects W.

Abrupt descent.

73.50 Hollow, 300 ft. deep, course W.

Abrupt ascent.

79.46 Intersect the cor. of secs. 20-21-28 and 29, heretofore
 described.

This cor. is set on top of a ridge, bearing NW. and SE.
 Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land on 79.46 chs.

September 8: At this cor. I set off 5°44' N., on decl. arc,
 and at 11h.58m., a.m., l.m t., observe the sun on the
 meridian, the resulting lat. is 37°40' N.

From the re-established cor. of secs. 4-5-32 and 33,
 heretofore described on the S. bdy. of the Tp., I run
 N.0°03' W., on a random line, bet. secs. 32 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

81.34 Fall 275 lks. E. of the cor. of secs. 28-29-32 and 33.

I abandon the random line and begin at the cor. of
 secs. 28-29-32 and 33, and run

S.0°03' E., on a true line,

Bet. secs. 32 and 33.

Descend abruptly over rocky and mountainous land,
 through scattering timber.

7.50 Hollow, 300 ft. deep, course NW.

Abrupt ascent.

18.00 Ridge, bears NW. and SE.

CHAINS	
	Abrupt descent.
32.00	Hollow, 300 ft. deep, course NW.
	Abrupt ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 on W. half, and S 33 on E. half, from which A pinon, 7 ins. diam., bears N. 76° E., 23 lks. dist., marked $\frac{1}{4}$ S 33 BT.
	A pinon, 7 ins. diam., bears S. 73° W., 5 lks. dist., marked $\frac{1}{4}$ S 32 BT.
56.20	Ridge, bears NW. and SE. Descend.
60.20	Head of hollow, course NW. Ascend.
65.00	Ridge, bears NE. and SW. Descend.
73.75	Hollow, 100 ft. deep, course E. Ascend over broken land.
81.54	Intersect S. bdy. of sec. 32, 275 lks. W. of the cor. of secs. 4-5-32 and 33, heretofore described. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for closing cor. of secs. 32 and 33, marked on brass cap, T 36 S R 15 W S 32 S 33 on N. half, and S 4 CC S 5 on S. half, from which A pinon, 4 ins. diam., bears N. 17° E., 22 lks. dist., marked T 36 S R 15 W S 33 BT.
	A pinon, 6 ins. diam., bears N. 7° W., 51 lks. dist., marked T 36 S R 15 W S 32 BT.
	On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.
	I destroy all marks on the cor. of secs. 4-5-32 and 33, that pertain to T. 36 S.

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 81.34 chs.
	From the re-established cor. of secs. 5-6-31 and 32, heretofore described , I run
	N.0°03'W., bet. secs. 31 and 32.
	Descend abruptly over rocky and mountainous land, through scattering timber.
6.50	Hollow, 150 ft. deep, course NW.
	Abrupt ascent.
9.00	Spur, projects NW.
	Abrupt descent.
21.00	Bend in same hollow, 150 ft. deep, course from SW. to NW.
	Ascend over broken land.
32.65	Ridge, bears NW. and SE.
	Abrupt descent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 31 on W. half, and S 32 on E. half, from which
	A cedar, 8 ins. diam., bears S.68°E., 37 lks. dist., marked $\frac{1}{4}$ S 32 BT.
	A pinon, 5 ins. diam., bears N.46°W., 53 $\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S 31 BT.
52.25	Hollow, 400 ft. below top of ridge, course NE.
	Ascend.
57.00	Spur, projects E.
	Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs. 29-30-31 and 32, marked on brass cap T 35 S S 30 in NW., R 15 W S 29 in NE., S 32 in SE., and

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
	S 31 in SW. quadrant, from which A pinon, 8 ins. diam., bears N. 9° E., 29 lks. dist., marked T 36 S R 15 W S 29 BT. ✓
	A pinon, 8 ins. diam., bears S. 26° E., 72 lks. dist., marked T 36 S R 15 W S 32 BT. ✓
	A pinon, 12 ins. diam., bears S. 67° W., 28 lks. dist., marked T 36 S R 15 W S 31 BT. ✓
	A pinon, 10 ins. diam., bears N. 58° W., 77 lks. dist., marked T 36 S R 15 W S 30 BT. ✓
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.
	Knowing from previous surveys that the line bet. secs. 29 and 32 will not close within limits at the cor. of secs. 28-29-32 and 33, I begin at the cor. of secs. 29-30-31 and 32 and run
	East, on a true line, bet. secs. 29 and 32.
	Descend over rocky and mountainous land, through scattering timber.
6.00	Hollow, 200 ft. deep, course NW.
	Abrupt ascent.
14.00	Rocky ridge, bears NW. and SE.
	Descend.
33.00	Hollow, 100 ft. deep, course NW.
	Abrupt ascent.
38.00	Spur, projects NW.
	Descend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, and S 32 on S. half, from which A cedar, 12 ins. diam., bears S. 48° W., 16 lks. dist., marked $\frac{1}{4}$ S 32 BT.

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS	
	A cedar, 12 ins. diam., bears N. 72° E., 11 lks. dist., marked $\frac{1}{4}$ S 29 BT. ✓
46.00	Hollow, 100 ft. deep, course NW. Abrupt ascent.
61.50	Spur, projects NW. Abrupt descent.
67.00	Hollow, 150 ft. deep, course NW. Abrupt ascent.
77.22	Intersect W. bdy. of sec. 33, 110 lks. S. of the cor. of secs. 28-29-32 and 33. Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth for closing cor. of secs. 29 and 32, marked on brass cap T 36 S R 15 W on N. half, ✓ S 28 CC S 33 on E. half, and ✓ S 29 S 32 on W. half, from which ✓ A cedar, 8 ins. diam., bears S. 21° W., 100 lks. dist., marked T 36 S R 15 W S 32 BT. ✓ A cedar, 7 ins. diam., bears N. 60° 30' W., 23 lks. dist., marked T 36 S R 15 W S 29 BT. ✓ On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. I destroy all marks on the cor. of secs. 28-29-32 and 33 that pertain to secs. 29 and 32. Land, mountainous. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 77.22 chs.

September 8, 1909

September 9: At 6h. 57m., a.m., l.m.t., I set off 37° 39' N. on lat. arc, 5° 28' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 29-30-31 and 32. Knowing the line bet. secs. 30 and 31 will not close within limits on the W. bdy. of the Tp., I run

	CHAINS	West, on a true line, bet. secs. 30 and 31.
		Ascend over broken, rocky and mountainous land, along south slope, through heavy timber.
4.00		Rocky spur, projects N.
9.75		Hollow, 100 ft. deep, course N.
		Abrupt ascent.
12.25		Spur, projects N.
		Abrupt descent.
15.00		Hollow, 150 ft. deep, course N.
		Abrupt ascent.
17.50		Spur, projects N.
		Abrupt descent.
23.00		Hollow, 75 ft. deep, course NW.
		Ascend.
25.00		Rocky spur, projects NW.
		Descend.
32.50		Hollow, 75 ft. deep, course N.
		Ascend.
36.35		Wire fence, bears N. and S.
39.00		Rocky spur, projects N.
		Abrupt descent.
40.00		Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on N. half, and S 31 on S. half, from which
		A pinon, 7 ins. diam., bears N. 41°W., 77 lks. dist., marked $\frac{1}{4}$ S 30 BT.
		A pinon, 7 ins. diam., bears S. 12°W., m26 lks. dist., marked $\frac{1}{4}$ S 31 BT.
42.25		Hollow, 75 ft. deep, course NW.
		Ascend.
		Leave heavy timber, bears N. and S.
		Enter scattering timber.
45.00		Spur, projects NW.
		Descend.

SUBDIVISIONS OF T. 36 S., R. 15 W.

CHAINS

- 60.00 Foot of mountain, bears NE. and SW.
Descend gradually over rolling land in Escalante Valley,
through sparse undergrowth.
- 87.50 Road from Newcastle to Enterprise, bears NE. and SW.
Leave timber.
- 92.52 Intersect Pine Valley Guide Meridian, 5.90 chs. S. of the
cor. of secs. 19-24-25 and 30, which is a sandstone,
10x6x4 ins. above ground, marked and witnessed as
described by the surveyor general.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for closing cor. of secs. 30 and 31, marked on brass
cap T 36 S on N. half,
S 24 CC S 25 R 16 W on W. half, and S 30
S 31 R 15 W on E. half, dig pits 24x18x12 ins., crosswise on
each line, N. and S. 3 ft. and E. of post 7 ft. dist., and
raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
I destroy all marks on the cor. of secs. 19-24-25 and 30
that pertain to R. 15 W.
Land, mountainous and rolling.
Soil, rocky 3rd. and 4th. rate on 60.00 chs.
balance loam, 2nd. rate.
Timber, cedar and pinon.
Undergrowth, sage brush.
Mountainous land on 92.52 chs.

N. 0° 03' W., bet. secs. 29 and 30.

Descend over rocky and mountainous land, through
scattering timber.

- 2.50 Hollow, 100 ft. deep, course NW.
Ascend along steep west slope.
- 8.50 Spur, projects NW.
Descend along west slope.

	CHAINS
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on W. half, S 29 on E. half, from which A cedar, 4 ins. diam., bears N. 31° E., 35½ lkm. dist., marked $\frac{1}{4}$ S 29 BT. A cedar, 10 ins. diam., bears S. 35° W., 75 lkm. dist., marked $\frac{1}{4}$ S 30 BT.
60.00	Foot of mountain, bears NE. and SW. Leave timber. Gradual descent over rolling land, through sparse under-growth.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone and earth, for cor. of secs. 19-20-29 and 30, marked on brass cap T 36 S 8 19 in NW., R 15 W S 20 in NE., S 29 in SE., and S 30 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground. Land, mountainous and rolling. Soil, rocky, 3rd. rate on 60.00 chs. blance loam, 2nd. rate. Timber, cedar and pinon. Undergrowth, sage brush. Mountainous land on 60.00 chs.
7.80	Knowing the line bet. secs. 20 and 29 will not close within limits on the cor. of secs. 20-21-28 and 29, I run East, on a true line, Bet. secs. 20 and 29. Ascend over rolling land, through dense undergrowth. Wire fence bears NW. and SE.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
23.00	Enter scattering timber.
37.00	Begin abrupt ascent over rocky and mountainous land, bearing NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 20 on N.half, and S 29 on S.half, from which A cedar, 15 ins. diam., bears S.23°30'W., 27 lks.dist., marked $\frac{1}{4}$ S 29 BT.
	A cedar, 15 ins. diam., bears N.23°E., 24 lks.dist., marked $\frac{1}{4}$ S 20 BT.
77.17	Intersect W.bdy. of sec.28, S.0°03'E. 86 lks.dist. from the cor.of secs.20-21-28 and 29. Set an iron post, 3 ft. long, 2 ins dia., in mound of stone and earth, for closing cor.of secs.20 and 29, marked on brass cap; T 36 S R 15 W on N.half, S 21 CC S 28 on E.half, and S 20 S 29 on W.half, from which A pinon, 12 ins. diam., bears N.34°W., 43 lks.dist., marked T 36 S R 15 W S 20 BT. No other trees within limits and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor. Pits impracticable. On account of natural obstacles it is impossible to set this post over 12 ins. in the ground, I destroy all marks on the cor.of secs.20-21-28 and 29 that pertain to secs.20 and 29. Land, rolling and mountainous. Soil, loam, 2nd. rate on 37.00 chs. balance, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 40.17 chs.

CHAINS

- Knowing the line bet. secs. 19 and 30 will not close within limits on the W.bdy. of the Tp., I run West, on a true line, bet. secs. 19 and 30. Gradual descent through sparse undergrowth.
- 2.90 Wire fence bears N. and S.
- 8.15 Road from Newcastle to Enterprise, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 on N. half, and S 30 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3' ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 92.21 Intersect Pine Valley Guide Meridian, 6.14 chs. S. of the cor. of secs. 13-18-19 and 24, which is a sandstone, 10x6x4 ins. above ground, marked and witnessed as described by the surveyor general.
- Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for closing cor. of secs. 19 and 30, marked on brass cap T 36 S on N. half,
- S 13 CC S 24 R 16 W on W. half, and
- S 19 S 30 R 15 W on E. half, dig pits, 24x18x12 ins., crosswise on each line, N. and S., 3 ft. and E. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
- I destroy all marks on the cor. of secs. 13-18-19 and 24 that pertain to R. 15 W.
- Land, sloping west.
- Soil, loam, 2nd. rate.
- No timber.
- Undergrowth, sage brush.
- September 9: At this cor. I set off $5^{\circ}22'N.$, on decl. arc, and at 11h.57m.^{a.41}:m.t, observe the sun on the meridian, the resulting lat. is $37^{\circ}41'N.$

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

The E.bdy. of sec.20 is out of limits for course and distance, therefore I run

North on sectional guide meridian,

Bet. secs.19 and 20.

Gradual descent through sparse undergrowth.

2.50 Wire fence bears E. and W.

9.25 Road from Newcastle to Enterprise bears NE. and SW.

32.59 Wire fence, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 on W. half, and S 20 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Enter level land.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 17-18-19 and 20, marked on brass cap T 36 S S 18 in NW.,

R 15 W S 17 in NE.,

S 20 in SE., and

S 19 in SW. quadrant, dig pits, 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling and level.

Soil loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Knowing the line betsecs. 17 and 20 will not close within limits on the cor. of secs. 16-17-20 and 21, I run East, on a true line, betsecs. 17 and 20.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 17 on N. half, and S 20 on S. half, dig pits, 18x18x12 ins., E. and W. of post,

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
	3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
70.50	Enter cultivated land, bearing N. and S., belongs to Ada Forsyth.
76.55	Intersect W.bdy.of sec.31, S $20^{\circ}28' E$. 207 lks. from the cor. of secs. 16-17-20 and 21, heretofore described. Set an iron post, 3 ft. long, 2 ins.dia., 24 ins.in the ground, for closing cor.of secs.17 and 20, marked on brass cap T 36 S R15 W on N.half, S 16 CC S 21 on E.half, and S 17 S 20 on W.half, dig pits, 24x18x12 ins., N.and S. of post, 3 ft. and W.of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W.of cor. I destroy all marks on the cor.of secs.16-17-20 and 21, that pertain to secs.17 and 20. Land, level. Soil, loam, 1st. rate. No timber. Undergrowth, sage brush.
3.21	Knowing the line betsecs.18 and 19 will not close within limits on the W.bdy.of the Tp., I run West, on a true line, betsecs.18 and 19.
40.00	Over level land, through sparse undergrowth. Wire fence, bears N. and S. Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 18 on N.half, and S 19 on S.half, dig pits, 18x18x12 ins., E. and W.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
43.49	Wire fence, bears N. and S. Enter cultivated land, belonging to T.W.Jones
80.00	Leave cultivated land, bears N. and S.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

- 91.94 Intersect Pine Valley Guide Meridian, 6.47 chs. S. of the cor. of secs. 7-12-13 and 18, which is a sandstone, 10x10x5 ins above the ground, marked and witnessed as described by the surveyor general.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for closing cor. of secs. 18 and 19, marked on brass cap T 36 S on N. half,
S 12 CC S 13 cR. 16 W. on W. half, and S 18 S 19 R. 15 W. on E. half, dig pits, 24x18x12 ins., N. and S. of post, 3 ft. and E. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
I destroy all marks on the cor. of secs. 7-12-13 and 18 that pertain to R. 15 W.
Land, level.
Soil, loam, 1st. rate.
No timber.
Undergrowth, sage brush.
-
- N. 0°01'W., bet. secs. 17 and 18.
Over level land, through sparse undergrowth.
- 21.65 Wire fence, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. half, and S 17 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 62.95 Wire fence bears E. and W.
- 63.37 Road from Newcastle to Modena, bears E. and W.
- 63.95 Wire fence bears E. and W.
- 72.75 Enter cultivated land bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 2 in. dia., 24 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked on brass cap,

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

T 36 S S 7 in NW.
 R 15 W S 8 in NE.,
 S 17 in SE., and
 S 18 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.
 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.
 Land, level.
 Soil, loam, 1st. rate.
 No timber.
 Undergrowth, sage brush.

September 9, 1909

September 10: At 6h.57m., a.m., l.m.t., I set off 37°42' N.
 on lat. arc, 5°05' N. on decl. arc, and determine a meridian
 with the solar at the cor. of secs. 7-8-17 and 18.
 Knowing the line bet. secs. 8 and 17 will not close within
 limits on the the cor. of secs. 8-9-16 and 17, I run
 Fast, on a true line, bet. secs. 8 and 17.

Over cultivated land belonging to Edward Tullis.

- 17.00 Leave cultivated land, bears N. and S.
 Enter sparse undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
 for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 on N. half, and
 S 17 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft.
 high, N. of cor.
- 76.61 Intersect W. bdy. of sec. 16, 509 lks. S. of the cor. of secs.
 8-9-16 and 17, heretofore described.
 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
 ground, for closing cor. of secs. 8 and 9, marked on brass
 cap T 36 S R 15 W on N. half,
 S 9 CC S 16 on E. half, and
 S 8 S 17 on W. half, dig pits, 24x18x12 ins., N. and S. of post,
 post 3 ft. and W. of post, 7 ft. dist., and raise a mound of
 earth, 4 ft. base, 2 ft. high, W. of cor.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

I destroy all marks on the cor. of secs. 8-9-16 and 17
that pertain to secs. 8 and 17.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Knowing the line bet. secs. 7 and 18 will not close
within limits on the W.bdy. of the Tp., I run
West, on a true line, bet. secs. 7 and 18.

Over level cultivated land.

3.48 Wire fence bears N. and S.

Enter cultivated land belonging to G.M. Middleton.

14.40 Road bears N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 7 on N. half, and
S 18 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, N. of cor.

Enter cultivated land belonging to Mrs. T.W. Jones.

60.75 Leave cultivated land, bears N. and S.

Wire fence, bears NW. and SE.

Enter sparse undergrowth.

91.73 Intersect Pine Valley Guide Meridian, 6.69 chs. S. of the cor.
of secs. 1-6-7 and 12, which is a sandstone, 12x7x6 ins.
above ground, marked and witnessed as described by the
surveyor general.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for closing cor. of secs. 7 and 18, marked on brass
cap T 36 S on N. half,

S 1 CC S 12 R 16 W on W. half, and

S 7 S 18 R 15 W on E. half, dig pits, 24x18x12 ins.,
N. and S. of post, 3 ft. and E. of post, 7 ft. dist., and raise
a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

CHAINS

I destroy all marks on the cor. of secs. 1-6-7 and 12
that pertain to R. 15 W.
Land, level.
Soil, loam, 1st. rate.
No timber.
Undergrowth, sage brush.

N. 0° 01' W., bet. secs. 7 and 8.

- Over cultivated land.
- 10.00 Leave cultivated land, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 on W. half, and
S 8 on E. half, dig pits, 18x18x12 ins., N. and S. of post,
3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.
- 65.95 Wire fence bears E. and W.
- Enter cultivated land belonging to Mrs. G. W. Middleton.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground
for cor. of secs. 5-6-7 and 8, marked on brass cap
T 36 S 8 6 in NW.,
R 15 W 8 5 in NE.,
S 8 in SE., and
S 7 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, W. of cor.
- Land, level.
- Soil, loam, 1st. rate.
- No timber.
- Undergrowth, sage brush.
-

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

Knowing the line bet. secs. 5 and 8 will not close within limits on the cor. of secs. 4-5-8 and 9, I run

East, on a true line, bet. secs. 5 and 8.

Over cultivated land, belonging to Mrs. G.W. Middleton.

37.06 Wire fence bears N. and S.

Leave cultivated land. Enter sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on N. half, and S 8 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

76.67 Intersect the W. bdy. of sec. 9 3.57 chs. S. of the cor. of secs 4-5-8 and 9, heretofore described.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 5 and 8, marked on brass cap T 36 S R 15 W on N. half,

S 4 CC S 9 on E. half, and

S 5 S 8 on W. half, dig pits, 24x18x12 ins., N. and S. of post 3 ft. dist., and W. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

September 10: At this cor. I set off 4° 59' N., on decl. arc, and at 11h.57m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 37° 43' N.

Knowing the line bet. secs. 6 and 7 will not close within limits on the W. bdy. of the Tp., I run

West, on a true line, bet. secs. 6 and 7.

Over cultivated land.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS	
21.81	Wire fence, bears N. and S.
25.10	Frame hen house, 15x12 ft., on line.
26.00	Two story frame house 25 ft. sq., belonging to T.W.Jones bears S. 3.24 chs.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 6 on N. half, and S 7 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
91.55	Intersect Pine Valley Guide Meridian 32.90 chs. N. of the $\frac{1}{4}$ sec.cor.betsecs.1 and 6, which is a sandstone, 10x5x5 ins. above ground, marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor.of secs.6 and 7, marked on brass cap T 36 S on N.half, S 1 CC S 12 R 16 W on W.half and S 6 S 7 R 15 W on E.half, dig pits, 24x18x12 ins., N. and S. of post, 3 ft. and E.of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E.of cor. This cor.is set by a wire fence running north and south along the Pine Valley Guide Meridian. The cultivated land on this line extends about 10.00 chs. S. and about 40.00 chs.north of the line for the entire distance. Land level. Soil, loam, 1st.rate. No timber.

SUBDIVISIONS OF T.36 S., R.15 W.

CHAINS

The north bdy. of the Tp., being the 7th. Stan. Par. S., and the course of the E. bdy. of sec. 5 being N.0°03'E., I run N.0°02'E., on a true line, bet. secs. 5 and 6.
Over cultivated land.

3.10 Road from Newcastle to T.W. Jones' house bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on W. half, and S 5 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

40.75 Leave cultivated land, bears E. and W. Enter sage brush.

89.09 Intersect 7th. Stan. Par. S., 9.91 chs. W. of the stan. cor. of secs. 31 and 32, T.35 S., R.15 W., which is a sandstone, 9x6x5 ins. above ground, marked and witnessed as described by the surveyor general.
Set an iron post, 3 ft. long, 2 in. dia., 24 ins. in the ground, for closing cor. of secs. 5 and 6, marked on brass cap T 35 S R 15 W S 31 CC S 32 on N. half and S 5 S 6 on S. half, dig pits, 24x18x12 ins. crosswise on each line, E. and W. of post, 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
Land level.
Soil, loam, 1st. rate.
No timber.
Undergrowth, sage brush.

September 10, 1909

GENERAL DESCRIPTION.

The eastern portion of this township falls in the Iron Mountains, the soil of which is rocky and broken by many hollows, and is covered with a scattering growth of cedar and piñon timber.

The balance of the township falls in Escalante Valley, the soil of which is a rich black loam, and capable of

GENERAL DESCRIPTION OF T.36 S., R.15 W.

producing excellent crops with irrigation; crops have been raised on some of the land without irrigation. The post office of Newcastle is located in sec. 16, which was previously surveyed.

There is no surface water in this township.

There are some indications of gold and silver ore found in secs. 1 and 2, but none has been developed in paying quantities; I do not return any land as mineral bearing in this township.

The following settlers have claims in this township: this information was obtained by interrogating settlers as to their location and as to the extent of their improvements as a greater part of the improvements claimed were not visible from any point on the lines of survey:

Henry Jones, located in $N\frac{1}{2}SW\frac{1}{4}$; $NW\frac{1}{4}$ and $W\frac{1}{2}NE\frac{1}{4}$ Sec. 3,

Acres of land under cultivation, 80.00

No buildings, value of improvements, \$500.00

N.T. Porter, located in $E\frac{1}{2}NE\frac{1}{4}$ and $E\frac{1}{2}SE\frac{1}{4}$ of Sec. 5

Acres of land under cultivation 40.0

Value of improvements, \$ 300.00

No buildings.

Mrs. N.T. Porter, located in $NE\frac{1}{4}NW\frac{1}{4}$ Sec. 8, $E\frac{1}{2}SW\frac{1}{4}$; $SE\frac{1}{4}NW\frac{1}{4}$ and $W\frac{1}{2}NE\frac{1}{4}$ and $W\frac{1}{2}SE\frac{1}{4}$ Sec. 5

Acres of land under cultivation, 200.0

No buildings, value of improvements, \$800.00

F.W. Walton, $W\frac{1}{2}SW\frac{1}{4}$; $NW\frac{1}{4}$ and $W\frac{1}{2}NE\frac{1}{4}$ sec. 6

Acres of land under cultivation, 80.0

No buildings, value of improvements, \$320.00

H.R. Driggs, in $N\frac{1}{2}NW\frac{1}{4}$ sec. 5 and $NE\frac{1}{4}NE\frac{1}{4}$ sec. 6

No land under cultivation.

Improvements, wire fencing, value, \$ 250.00

GENERAL DESCRIPTION OF T.36 S., R.15 W.

T.W.Jones, N $\frac{1}{2}$ NW $\frac{1}{4}$ sec.19; SW $\frac{1}{4}$ Sec.18 and S $\frac{1}{2}$ NW $\frac{1}{4}$ Sec.18.

Acres of land under cultivation, 136.0

Value of improvements, including

residence in NE $\frac{1}{4}$ sec.7, wire fencing \$4000.00

Mrs.T.W.Jones, located in N $\frac{1}{2}$ NW $\frac{1}{4}$ sec.18, SW $\frac{1}{4}$ Sec.7

and S $\frac{1}{2}$ NW $\frac{1}{4}$ sec.7.

Acres of land under cultivation, 130.0

No buildings; Value of improvements, \$750.00

G.W.Middleton, located in N $\frac{1}{2}$ NE $\frac{1}{4}$ sec.18; SE $\frac{1}{4}$ sec.7 and S $\frac{1}{2}$ NE $\frac{1}{4}$ sec.7.

Acres of land under cultivation, 320.00

No buildings; Value of improvements, \$1500.00

Mrs.G.W.Middleton, located in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7

NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8; E $\frac{1}{2}$ SE $\frac{1}{4}$ sec.6 SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6 SW $\frac{1}{2}$ SW $\frac{1}{4}$, and SE $\frac{1}{2}$ NW $\frac{1}{4}$ sec.5.

Acres of land under cultivation, 240.0

No buildings, Value of improvements, \$1000.00

Richard Forsyth, located in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17,

SW $\frac{1}{2}$ SW $\frac{1}{4}$ sec.8.

Acres of land under cultivation 6.0

No buildings, value of improvements, \$100.00

Robert Platt, located in NW $\frac{1}{4}$ NE $\frac{1}{4}$; NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17;

SW $\frac{1}{2}$ SW $\frac{1}{4}$ and SE $\frac{1}{2}$ SW $\frac{1}{4}$ sec.8.

Acres of land under cultivation, 50.0

Value of improvements, no buildings, \$300.00

Edward Tullis, located in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.17;W $\frac{1}{2}$ SW $\frac{1}{4}$ and SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.8!

Acres of land under cultivation 34.0

No buildings, value of improvements, \$350.00

James Thornton, located in N $\frac{1}{2}$ SE $\frac{1}{4}$;NE $\frac{1}{4}$ SW $\frac{1}{4}$;SE $\frac{1}{4}$ NW $\frac{1}{4}$ and NE $\frac{1}{4}$ sec.8.

Acres of land under cultivation 25.0

No buildings;Value of improvements, \$300.00

GENERAL DESCRIPTION OF T.36 S., R.15 W.

Georgia Forsyth, located in SW $\frac{1}{4}$ sec.19, S $\frac{1}{2}$ NW $\frac{1}{4}$;SW $\frac{1}{4}$ NE $\frac{1}{4}$ and NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.19.	
Acres of land under cultivation,	40.0
Value of improvements, no buildings.	\$300.00
M.R.Gillies, located in SE $\frac{1}{4}$ sec.18, S $\frac{1}{2}$ NE $\frac{1}{4}$ sec.18.	
Acres of land under cultivation,	25.0
No buildings, value of improvements,	\$250.00
John Tullis, located in N $\frac{1}{2}$ SE $\frac{1}{4}$; N $\frac{1}{2}$ SW $\frac{1}{4}$ sec.17.	
Acres of land under cultivation,	15.0
No buildings, value of improvements,	\$200.00
Heber E.Harrison, located in S $\frac{1}{2}$ NE $\frac{1}{4}$;S $\frac{1}{2}$ NW $\frac{1}{4}$ sec.17.	
Acres of land under cultivation,	70.0
No buildings, value of improvements,	\$500.00
Thomas Forsyth, located in S $\frac{1}{2}$ SW $\frac{1}{4}$ sec.17, N $\frac{1}{2}$ NE $\frac{1}{4}$ sec.19, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, W $\frac{1}{2}$ NW $\frac{1}{4}$ and SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20.	
Acres of land under cultivation,	28.0
No buildings, value of improvements,	\$250.00
N.D.Forsyth, located in S $\frac{1}{2}$ SE $\frac{1}{4}$ sec.17, NW $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20.	
Acres of land under cultivation,	25.0
No buildings, value of improvements,	\$200.00
Ade Forsyth, located in E $\frac{1}{2}$ NE $\frac{1}{4}$ sec.20.	
Acres of land under cultivation,	6.0
Tent house belonging to this claimant is located on line betsecs.20 and 21.	
Value of improvements,	\$750.00
The land embraced in the foregoing descriptions is farmed under a cooperative system which makes residence on the land un-necessary ,the cultivating being done by a steam traction engine and on account of the lack of water ,a well has been dug near the house belonging to T.W.Jones,which is now the center of operations.	

GENERAL DESCRIPTION OF T.36 S., R.15 W.

There are no indications of oil, oil springs or seeps
on this township.

Frank T. Roberts
U.S. Deputy Surveyor

Volume

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
 United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of

owing the respective capacities in which they acted:

or list of names and final oath of assistants see book "Z" ¹⁵ "Chainman.

T. 34 S., R. 12 W., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
 United States Deputy Surveyor, in surveying all
 those parts or portions of the

..... of the
 meridian, of which are represented
 the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for

....., Chainman.
, Chainman.
, Moundman.
, Moundman.
, Axman.
, Axman.
, Flagman.

scribed and sworn to before me this }
 day of , 190 }
 , 190 }



I, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for, bearing date of
..... day of 190 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of

For final oath of deputy see book "Z" T. 34 S., R. 12 W.

..... of the
..... meridian, in the of which are represented in
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of 190 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1909

The foregoing field notes of the survey of the Subdivisional lines of Township
36 South, Range 15 West of the Salt Lake Base and Meridian, Utah

executed by Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

A handwritten signature in black ink, appearing to read "Frank T. Roberts".

United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
....., has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-356

" Z⁹ "

FILED ~

JAN 17 1910

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE

SECOND GUIDE MERIDIAN, through.....

TOWNSHIP NO. 32 SOUTH,

between.....

RANGES NOS. 13 and 14 WEST

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

FRANK T. ROBERTSON, United States Deputy Surveyor,

Under his Contract No. 312, dated April 3, 1909

Retracement

Survey commenced September 11, 1909

Retracement

Survey completed September 12, 1909

—iii—

Dist. 5.78.89

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chairman

Claude L. Haist,

Erastus B. Dalley, Moundman

George B. McConnell,

Joseph D. Foster, Axman

Earl V. Woolley,

Rodney B. Shelley, Flagman

BOOK A-356

INDEX DIAGRAM.

Township 32 South., Range 14 West.

6	5	4	3	2	1	5
7	8	9	10	11	12	4
18	17	16	15	14	13	3
19	20	21	22	23	24	4 3 3
30	29	28	27	26	25	2
31	32	33	34	35	36	2

Meanders Page

WE, Sterling Wright and Claude L. Heist,
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

Retracement of Second Guide Meridian, through T. 32 S., R. 14 W. S.L.B.
and M., in the state of Utah.

Carl J. Woolley, Chainman
Claude L. Heist, Chainman

Subscribed and sworn to before me this 11th,

day of September, 1909



Frank T. Roberts

U.S. Deputy Surveyor

WE, Erastus B. Dalley, and George B. McConnell,
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

Retracement of the Second Guide Meridian, through T. 32 S., R. 14 W.,
S.L.B. & M., in the state of Utah.

Erastus B. Dalley, Moundman

George B. McConnell, Moundman

Subscribed and sworn to before me this 11th,

day of September, 1909



Frank T. Roberts

U.S. Deputy Surveyor

I, WE, Joseph D. Foster, end
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey
the Second Guide Meridian, through T. 32 S., bet. Rs. 13 and 14 W.,
S.L.B. & M., in the state of Utah.

Joseph D. Foster, Axman

Subscribed and sworn to before me this 11th,

day of September, 1909



Frank T. Roberts

U.S. Deputy Surveyor

I, Rodney R. Shelley, do solemnly swear that I will well and tr
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of retracement of the 2nd Guide Meridian, through T. 32 S., Bet.
Rs. 13 and 14 W., S.L.B. & M., in the state of Utah.

Rodney R. Shelley, Flagman

Subscribed and sworn to before me this 11th,

day of September, 1909



Frank T. Roberts

U.S. Deputy Surveyor

RETRACEMENT OF THE SECOND GUIDE MERIDIAN, through T.32 S.

CHAINS

Survey commenced September 11, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 32 and 33 S., Rs. 13 and 14 W., on the 2nd. Guide Meridian, which is a granite stone, 6x6x6 ins. above ground, marked and witnessed as described by the surveyor general, in approximate latitude $37^{\circ}59'N.$, longitude $113^{\circ}19'W.$, I set off $37^{\circ}59'N.$ on lat.arc, $4^{\circ}33'N.$ on decl.arc, and at 3h.57m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

At 8h.10m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

September 11, 1909

September 12: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}30'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 6h.56m., a.m., l.m.t., I set off $37^{\circ}59'N.$ on lat.arc, $4^{\circ}20'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines

CHAINS

positions for meridians, respectively about 0'31" west and east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m. a.m. is N.16°24'W., the angle thus determined gives the mag.decl.16°24'E.

From the Tp.cor.already described, I run

North, retracing bet.secs.31 and 36.

40.05 Fall 7 lks.E.of the old $\frac{1}{4}$ sec.cor. which is a cedar post badly delapidated with markings nearly obliterated. At exact point of old cor.I set an iron post,3 ft.long, 1 in.dia.,26 ins.in the ground, for re-established $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36' on W.half and S 31 on E.,half,dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist., and raise a mound of earth,3 $\frac{1}{2}$ ft.base,1 $\frac{1}{2}$ ft.high,W.of cor. The new cor.obliterates all traces of the old cor.

I continue on same line north.

79.98 Fall 14 lks.E.of the cor.of secs.25-30-31 and 36, which is a granite stone,6x8x6 ins.above ground,marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°06'W.and the distance 79.98 chs.

North, retracing bet.secs.25 and 30.

39.98 Fall 17 lks.W.of the $\frac{1}{4}$ sec.cor.which is a cedar post, badly delapidated with marks nearly obliterated. At the exact point of old cor.I set an iron post,3 ft. long,1 in.dia.,26 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 25 on W.half, and S.30 on E.half,dig pits 18x18x12 ins.;N.and S.of post,3 ft.dist.,and raise a mound of earth,3 $\frac{1}{2}$ base,1 $\frac{1}{2}$ ft.high,W.of cor. The new cor.obliterates all traces of the old cor.

RETRACEMENT OF THE 2ND. GUIDE MERIDIAN, through T.32 SOUTH.

CHAINS	
43.15 79.94	I continue on same line north. Road from Lund to Cedar City, bears E. and W. Fall 35 lks.W. of the cor.of secs.19-24-25 and 30, which is a granite stone, 12x8x6 ins. above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°15'E., and the distance 79.94 chs.
39.98	North, retracing bet.secs.19 and 24. Fall 11 lks.W. of the $\frac{1}{4}$ sec.cor. which is a cedar post, 3 ins.sq., projecting 6 ins. above ground, marked and witnessed as described by the surveyor general. The course of th s line is therefore N.0°10'E., the distance 39.98 chs. I offset over the $\frac{1}{4}$ sec.cor. and continue north at 40.00 chs.no trace can be found of the cor.of secs. 13-18-19 and 24 , I continue my line north and can find no trace of any cor.until at 120.33 chs. fall 32 lks. W. of the cor.of secs.7-1 2-13 and 18, which is a granite stone, 8x6x4 ins. above ground,marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°09'E. and the proportionate measurement for each half mile is 40.11 chs. To re-establish the missing cors., I run S.0°09'W., bet.secs.13 and 18.
40.11	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 13' on W.half, and S 18' on E.half, dig pits, 18x18x12 ins.N. and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,W. of cor. This cor.is set in shifting sand and no trace can be found of the old $\frac{1}{4}$ sec.cor.
80.22	Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the ground, for cor.of secs.13-18-19 and 24, marked on brass cap, T 32 S on N.half, R 14 W S 13 in NW.

RETRACEMENT OF THE 2ND. GUIDE MERIDIAN, through T.32 S.

CHAINS	
	R 13 W S 18 in NE. S 19 in SE., and S 24 in SW.quadrant. dig pits, 18x18x12 ins., in each sec. 5½ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor. This cor.is set in shifting sand which has covered up any evidences of the old cor.
	<hr/> S.0°09'E., betsecs. 13 and 24.
40.11	The $\frac{1}{4}$ sec.cor.betsecs. 19 and 24. September 12: At this cor.I set off 4°13'N.on decl.arc, and at 11h.58m., a.m., l.m.t., observe the sun on the meridian, the resulting lat.is 38°01'N.
	<hr/> From the cor.ofsecs. 7-12-13 and 18, I run North, retracing betsecs. 7 and 12.
38.98	Fall 10 lks.W.of the $\frac{1}{4}$ sec.cor.which is a cedar post, badly delapidated, with marks nearly obliterated. At exact point of old cor.I set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 12 on W.half, and S 7 on E. half, dig pits, 18x18x12 ins., N. and S.of post, 3 ft.dist. and raise a mound of earth, 3½ ft.base, 1½ ft.high, W.of cor. The new cor.obliterates all trace of the old cor. I continue on same line north.
78.80	Fall 21 lks.W.of the cor.of secs. 1-6-7 and 12, which is a granite stone, 10x6x6 ins.above ground, marked and witnessed as described by the surveyor general. The course of this line is therefore N.0°09'E., and the distance 78.80 chs.

RETRACEMENT OF THE 2ND. GUIDE MERIDIAN, through T.32 S.

CHAINS

North, retracing bet. secs. 1 and 6.

- 39.90 Fall 9 lks. W. of the $\frac{1}{4}$ sec. cor. which is a cedar post, with marks obliterated.
 At exact point of old cor. I set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on W. half, and S 6 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The new cor. obliterates all traces of the old cor.
 I continue on same line north
- 79.86 Fall 19 lks. W. of the cor. of Tps. 31 and 32 S., Rs. 13 and 14 W., which is a granite stone, 8x6x9 ins. above ground, marked and witnessed as described by the surveyor general.
 The course of this ^{line} is therefore N. $0^{\circ}08'W.$ and the distance 79.86 chs.

September 12, 1908

For General Description see Subdivisions of T.32 S., R.14 W.

For table of latitudes and departures see resurvey of the N. and W. bdy. of T.32 S., R.14 W.

Frank P. Park
U.S. Deputy Surveyor.

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Frank T. Roberts

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the Survey of retracement
of the 2nd. Guide Meridian, through T. 32 S., bet. Rs. 13 & 14 W., S.L.
B. & M. in the state of Utah.
showing the respective capacities in which they acted:

Sterling Wright, Chainman.

Claude L. Heist, Chainman.

Erastus B. Dalley, Moundman.

George B. McConnell, Moundman.

Joseph D. Foster, Axman.

Axman.

Rodney B. Shelley Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frank T. Roberts,

, United States Deputy Surveyor, in retracing all
those parts or portions of the 2nd. Guide Meridian, through T. 32 S., bet. Rs.
13 and 14 W.

of the Salt Lake

Base and meridian, in the state of Utah, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
general for Utah.

Carl V. Woolley, Chainman.

Claude L. Heist, Chainman.

Erastus B. Dalley, Moundman.

George B. McConnell, Moundman.

Joseph D. Foster, Axman.

Rodney B. Shelley, Flagman.

Subscribed and sworn to before me this 12th..

day of September, 1909.

Frank T. Roberts



U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frank T. Roberts, United States Deputy Surveyor,
 solemnly swear that, in pursuance of a contract received from Thomas Hull,
 United States Surveyor General for Utah, bearing date of
April, 1899, I have well, faithfully, and truly, in my
 proper person, and in strict conformity with the instructions furnished by the United States Surveyor
 General for Utah, ~~Retracement~~, the Manual of Surveying Instructions, and the laws of the
 United States, ~~Retracement~~, all those parts or portions of the 2nd. Guide Meridian, through
 T. 32 S., Rang. 13 and 14 W.

and ~~Retracement~~ of the Salt Lake Base
 meridian, in the State of Utah, which are represented in the
 foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
 swear that all the corners of ~~Retracement~~ have been established and perpetuated in strict accordance with
 the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
 General for Utah, and in the specific manner described in the field notes, and that
 the foregoing are the original field notes of such ~~Retracement~~ ~~Retracement~~.

United States Deputy Surveyor

Subscribed by said Frank T. Roberts, and sworn to before me
 this 21 day of January, 1910,

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000000
000000

U. S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, April 21, 1910

The foregoing field notes of the ~~Kirksville~~ retracement of the Second Guide
 Meridian, through Township 32 South, between Range 13 and 14 West
 of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
 under his contract No. 312, dated July 15, 1899, having been
 critically examined, and the necessary corrections and explanations made in the said field notes, and the
 same, they suffice, are hereby approved.

United States Surveyor-General

I certify that the foregoing transcript of the field notes of the above-described surveys in
 has been correctly copied from the original notes on file in this office.

United States Surveyor-General

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BOOK A-356

FIELD NOTES

RETRACMENT
OF THE SURVEY OF THE

SOUTH and WEST BOUNDARIES

of

TOWNSHIP NO. 32 SOUTH, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Retracement Survey commenced September 12, 1909

Retracement Survey completed September 13, 1909

6-151

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R. H. 240.00
8.38.34

BOOK A-356

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley, Chairman

Claude L. Heist, "

W. Warren Stratton Moundman

Sterling Wrightell, "

Joseph D. Foster, Axman

Carl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "A" T. 35 S., R. 17 W.

Volume

#

R0356

BOOK A-356

INDEX DIAGRAM.

Township 32 South . Range 14 West.

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE,

and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman

, Chainman

Subscribed and sworn to before me this }
day of , 189 }



WE,

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman

, Moundman

Subscribed and sworn to before me this }
day of , 189 }



WE,

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman

Subscribed and sworn to before me this }
day of , 189 }



RETRACEMENT OF THE S.BOUNDARY OF T.32 S., R.14 W.

CHAINS

Survey commenced, September 12, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 32 and 33 S., Rs. 13 and 14 W., heretofore described on the 2nd. Guide Meridian, in approximate latitude $37^{\circ}59'N.$, longitude $113^{\circ}19'W.$, I set off $37^{\circ}59'N.$, on lat.arc, $4^{\circ}10'N.$, on decl.arc, and at 4h. 56m., p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground 5 chs.N. of the cor.

At 8h.06m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.N. of my station.

September 12, 1909

September 13: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}30'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 6h.56m., a.m., l.m.t., I set off $37^{\circ}59'N.$, on lat.arc, $3^{\circ}57'N.$ on decl.arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation. The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about $0'21''$ west and east of the meridian established by the Polaris obser-

RETRACING OF THE SOUTH BOUNDARY OF T. 30 S., R. 14 W.

CONT'D

-vations; therefore I conclude that the adjustments of the instrument are unsatisfactory.

The magnetic bearing of the true meridian at 7h. 30m. A.M. is N. 16° 24' W., the angle thus determined given the mag. decl. 16° 24' E.

From the Tp. cor. already described, I run

N. 89° 55' W., retracing bet. sec. 1 and 36.

39.99 Fall 6 1km. S. of the $\frac{1}{2}$ sec. cor. which is a cedar post, badly dilapidated, with markings destroyed.

At exact point of old cor. I set an iron post, 3 ft. long, 1 in. dia., 26 inn. in the ground, for re-established $\frac{1}{2}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S. 36 on N. half, and S. 1 on S. half, dig pit, 18x18x12 inn., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

The new cor. destroys all trace of the old cor.

I continue on same line, N. 89° 55' W.
40.00 Fall 12 1km. S. of the cor. of secn. 1-2-35 and 36, which is a granite stone, 5x12x5 inn. above ground, marked and withdrawn as described by the surveyor general.
The course of this line is therefore N. 89° 50' W.

N. 89° 55' W., retracing bet. secn. 2 and 35.

40.15 Fall 5 1km. N. of the $\frac{1}{2}$ sec. cor. which is a cedar post, 3 in. dia., projecting 18 inn. above the ground, marked and withdrawn as described by the surveyor general.
I continue on same line N. 89° 55' W.

40.20 Fall 9 1km. N. of the cor. of secn. 2-3-34 and 35, which is a granite stone, 7x8x5 inn. above ground, marked and withdrawn as described by the surveyor general.
The course of this line is therefore N. 89° 59' W.

RETRACEMENT OF THE SOUTH BOUNDARY OF T. 32 S., R. 14 W.

- Chains. N.89° 55'W retracing bet. secs. 3 and 34,
6.40 Telephone line, bears NW. and SE.
40.06 Fall 6 lks.S. of the $\frac{1}{4}$ sec.cor., which is a cedar post
badly dilapidated, with marks destroyed.
At exact point of old cor. I set an iron post 3 ft.long,
1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$
sec.cor., marked on brass cap $\frac{1}{4}$ S 34 on N.half, and S
3 on S.half; dig pits 18 x 18x 12 ins.E. and W.of post
3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
ft.high N.of cor.
The new cor.obliterates all traces of the old cor.
I continue on same line N.89° 55'W.
80.16 Fall 12 lks.N.of the cor.of secs. 3,4,33, and 34, which
is a granite stone 8 x 8 x 8 ins.above the ground,
marked and witnessed as described by the surveyor
general.
The course of this line is therefore N.89° 50'W. and the
distance 80.16 chs.
-
- N.89° 55'W retracing bet.secs.4 and 33,
19.00 Main road from Cedar City to Lund, bears NE. and SW.
40.30 Fall 3 lks.S. of the $\frac{1}{4}$ sec.cor., which is a cedar post
badly dilapidated with marks destroyed.
At exact point of old cor. I set an iron post 3 ft.long,
1 in.dia., 26 ins.in the ground, for re-established
 $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 33 on N.half, and S
4 on S.half; dig pits 18 x 18 x 12 ins.E. and W.of
post 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft.high N.of cor.
The new cor.obliterates all traces of the old cor.
80.46 Fall 7 lks.S. of the cor.of secs.4,5,32, and 33, which
is a granite stone 12 x 12 x 4 ins.above ground,
marked and witnessed as described by the surveyor

RETRACING OF THE SOUTH BOUNDARY OF T. 32 S., R. 14 W.

Chains. general.

The course of this line is therefore N.89° 53'W.; and the distance 80.46 chs.

- 32.97 N.89° 55'W.retracing bet.secs.5 and 32,
Fall 4 lks.S.of the $\frac{1}{4}$ sec.cor., which is a cedar post
badly dilapidated with marks nearly destroyed. At exact
point of old cor.I set an iron post 3 ft.long, 1 in.dia.
26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor.,
marked on brass cap $\frac{1}{4}$ S 32 on N.half, and S 5 on S.half;
dig pits 18x18x12 ins.E.and W.of post 3 ft.dist.;and
raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.
The new cor.obliterates all trace of the old cor. I con-
tinue on same line N.89° 55'W.
- 76.00 Old road bears N. and S.
- 79.82 Fall 9 lks.S.of the cor.of secs.5,6,31, and 32,which is
a granite stone 6 x 8 x 6 ins.above ground, marked and
witnessed as described by the surveyor general.
The course of this line is therefore N.89° 51'W., and the
distance 79.82 chs.
September 13:At this cor.I set off 3° 50'N.on decl.arc;
and at 11 h. 56 m.a.m.l.n.t.observe the sun on the merid-
ian; the resulting lat.is 37° 59'N.
-
- 40.00 N.89° 55'W.retracing bet.secs.6 and 31
No trace can be found of the $\frac{1}{4}$ sec.cor.
Fall 14 lks.S.of the cor.of Tps.32 and 33 S., Rs.14 and
15 W..which is a granite stone 8x7x6 ins.above ground
marked and witnessed as described by the surveyor gener-
al. To set missing $\frac{1}{4}$ sec.cor., I run
S.89° 49'E.bet.secs.6 and 31,
Proportionate measurement; set an iron post 3 ft.long,
1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$
sec.cor., marked on brass cap $\frac{1}{4}$ S 31 on N.half, and S 6
on S.half;dig pits 18x18x12 ins.E.and W.of post 3 ft.dist.
and raise i mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.

RETRACEMENT OF THE SOUTH BOUNDARY OF T.32 S., R.14 W.

CHAINS

77.64 The cor.of secs.5-6-31 and 32.

RETRACEMENT OF THE WEST BOUNDARY OF T.32 S., R.14 W.

From the cor.of Tps.32 and 33 S., Rs.14 and 15 W.,

I run

North, retracing bet.secs.31 and 36.

34.25 Road from Lund to Modena,bears NE.and SW.

35.70 Center of track of the SanPedro, Los Angeles and Salt Lake Railroad,bears N.44°30' E., and S.44°30' W.

36.75 Telegraph line,bears NE.and SW.

40.00 Intersect the $\frac{1}{4}$ sec.cor.which is a cedar stake,1 in.diam., projecting 12 ins.above the ground,marked and witnessed as described by the surveyor general.

This cor.being to small, at exact point of this cor.I set an iron post,3 ft.long,1 in.dia.,26 ins.in the ground,for re-established $\frac{1}{4}$ sec.cor.,marked on brass cap, $\frac{1}{4}$ S 36 on W.half, and S 31 on E.half, dig pits, 18x18x12 ins.,N.and S.of post,3 ft.dist.,and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,W.of cor.

The new cor.obliterates all traces of the old cor.

I continue on same line north.

49.85 Road from Lund to Modena,bears NE.and SW.

80.00 Intersect the cor.of secs.25-30-31 and 36,which is a granite stone,5x7x6 ins.above ground,marked and witnessed as described by the surveyor general.

North, retracing bet.secs.25 and 30.

40.00 Intersect the $\frac{1}{4}$ sec.cor.which is a cedar post,3 ins.dia.m projecting 18 ins.above the ground,marked and witnessed as described by the surveyor general.

I continue on same line north

RETRACEMENT OF THE WEST BOUNDARY OF T.32 S., R.14 W.

CHAINS	
80.00	Intersect the cor. of secs. 19-24-25 and 30, which is a granite stone, 6x5x4 ins. above ground, marked and witnessed as described by the surveyor general. North, retracing bet. secs. 19 and 24.
29.00	Wash, 25 lks. wide, 5 ft. deep, course E.
40.00	Intersect the $\frac{1}{4}$ sec. cor. which is a granite stone, 8x6x3 ins. above ground, marked and witnessed as described by the surveyor general. I continue north on same line and at 80.00 chs. after diligent search no trace can be found of the cor. of secs. 13-18-19 and 24. As there are no subdivisions dependent upon this line I resurvey the balance of the west boundary of T.32 S., R.14 W. a description of which will be found in book " 11 " of this survey.

September 13, 1909

For General Description see Subdivisions of T.32 S., R. 14 W.

For table of Latitudes and Departures, see resurvey of the N. and W. bdys. of T.32 S., R.14 W.


Frank T. Parks
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book No. ¹⁴ Chainman.

T. 35 S., R. 17 W. Chainman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

..... United States Deputy Surveyor, in surveying all those parts or portions of the

of the

meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for

Chainman.

Chainman.

Moundman.

Moundman.

Arman.

Arman.

Flagman.

Subscribed and sworn to before me this

day of 180



BOOK 74, PAGE 1
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for bearing date of the day of 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

14

For final oath of deputy see book "Z" T. 34 S., R. 13 W.

..... of the
..... meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said and sworn to before me }
this day of 189 }

○○○○○
○ SEAL ○
○○○○○

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, *MSK*

The foregoing field notes of the survey of retrace of the South and West Boundaries of Township 32 South, Range 14 West of the Salt Lake Base and Meridian, Utah,

executed by *Frank T. Roberts*
under his contract No. 513 dated April 5, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas F. Bell
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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Page**

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Page

4-679.

" Z¹¹ "

BOOK A-356

FILED

JAN 19 1910

W.H.B.

FIELD NOTES

M.S.B.

RE
OF THE SURVEY OF THE

WEST and NORTH BOUNDARIES

of

TOWNSHIP NO. 32 SOUTH, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced September 14, 1909

Survey completed September 15, 1909

6-151

429 429
R. W. R. S. 47.0. 104
" N. " 578. 624
9 - 38 64

NAMES AND DUTIES OF ASSISTANTS.

Earl V. Woolley, Chainman

Claude L. Heist, "

W. Warren Stratton Moundman

Sterling Wright, "

Joseph D. Foster, Axman

John W. Collier, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "A" T. 35 S., R. 17 W.

WORK AREA.

INDEX DIAGRAM.

Township

Range

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41
42	43	44	45	46	47	48	49

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o

, Chainman

, Chainman

Subscribed and sworn to before me this _____
day of _____, 190_____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundman

, Moundman

Subscribed and sworn to before me this _____
day of _____, 190_____ }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

, Axman

, Axman

Subscribed and sworn to before me this _____
day of _____, 190_____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman

Subscribed and sworn to before me this _____
day of _____, 190_____ }



RESURVEY OF THE WEST BOUNDARY OF T.32 S., R.14 W.

CHAINS

Survey commenced, September 14, 1909 and executed with the instrument described in book "A", of this survey.

I know the instrument to be in adjustment from recent observations made September 12 and 13, 1909, at the cor. of Tps. 32 and 33 S., Rs. 13 and 14 W., and recorded in book "Z 10" of this survey.

At 6h.56m., a.m., l.m.t., I set off 38°01'N. on lat. arc, 3° 34'N. on decl. arc, and determine a meridian with the solar at the $\frac{1}{4}$ sec.cor. bet. secs. 19 and 24, on the W.bdy. of T.32 S., R.14 W., heretofore described.

Thence I run

North, resurveying bet. secs. 19 and 24.

Ascend over rolling land, through sparse undergrowth.

8.25 Road bears E. and W.

12.50 Old Pioche road, bears NE. and SW.

17.50 Begin ascent of mountainous land, bearing NE. and SW.

26.00 Spur, projects E.

Descend.

32.00 Hollow, 75 ft. deep, course E.

Ascend.

40.00 Top of spur, projects E.

Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for re-established cor. of secs. 13-18-19 and 24, marked on brass cap, T. 32 S. on N. half,

R 15 W S 13 in NW.,

R 14 W S 18 in NE.,

S 19 in SE., and

S 24 in SW. quadrant, and raise a mound of stone, 2 ft.

base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.

No trace can be found of the old sec.cor.

Land, rolling and mountainous.

RE-SURVEY OF THE WEST BOUNDARY OF T.32 S., R.14 W.

CHAINS

Soil, rocky, 3rd. rate.

No timber.

Undergrowth, sage brush.

Mountainous land on 22.50 chs.

North, resurveying bet. secs. 13 and 18.

Descend abruptly over rocky and mountainous land.

5.00 Hollow, 150 ft. deep, course E.

Abrupt ascent.

13.00 Spur, projects E.

Abrupt descent.

19.00 Hollow, 200 ft. deep, course E.

Abrupt ascent,

40.00 Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 on W. half, and S 18 on E. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

After diligent search no trace can be found of the old $\frac{1}{4}$ sec. cor.

67.00 Rocky spur, projects SE.

Descend abruptly over broken ledges, along steep east slope.

80.00 Set an iron post, 3 ft. long, 3 ins. dia., in mound of stone and earth, for re-established cor. of secs. 7-12-13 and 18, marked on brass cap T 32 S on N. half,

R 15 W S 12 in NW.,

R 14 W S 7 in NE.,

S 18 in SE.. and

S 13 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Pits impracticable.

RESURVEY OF THE WEST BOUNDARY OF T.32 S., R.14 W.

CHAINS	
	On account of natural obstacles it is impossible to set this post over 12 ins.in the ground, Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, a few scattering cedar.
	Mountainous land on 80.00 chs.
	North, resurveying bet.secs.7 and 12.
	Descend abruptly over rocky and mountainous land.
1.25	Hollow, 300 ft.deep, course E.
	Abrupt ascent.
8.70	Spur, projects E.
	Abrupt descent.
12.00	Hollow, 100 ft.deep, course E.
	Abrupt ascent.
23.50	Spur, projects E.
	Abrupt descent.
	Enter scattering timber.
25.50	Hollow, 150 ft.deep, course E.
	Abrupt ascent.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S. 12 on W.half, and S 7 on E.half, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W of cor. Pits impracticable.
	On account of natural obstacles it is impossible to set this post over 12 ins.in the ground. No trace can be found of the old $\frac{1}{4}$ sec.cor. Rocky ridge, bears NE.and SW.
51.50	Descend abruptly along steep west slope.
66.00	Hollow, 250 ft.deep, course SW.
	Abrupt ascent.
80.00	Set an iron post, 3 ft.long, 3 ins.dia., in mound of stone and earth, for re-established cor.of secs.1-6-7 and 12, marked on brass cap T 32 S on N.half,

RESURVEY OF THE WEST BOUNDARY OF T. 32 S., R. 14 W.

CHAINS	
	R 15 W S 1 in NW.,
	R 14 W S 6 in NE.,
	S 7 in SE., and
	S 12 in SW. quadrant, from which
	A pinon, 14 ins. diam., bears N. 35° E., 31 lks. dist., marked T 32 S R 14 W S 6 BT.
	A pinon, 8 ins. diam., bears N. 80° W., 28 lks. dist., marked T 32 S R 15 W S 1 BT.
	No other trees within limits and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	On account of natural obstacles it is impossible to set this post over 12 ins. in the ground.
	No trace can be found of the old sec. cor. after diligent search.
	Land, mountainous.
	Soil, rocky, 3rd. and 4th. rate.
	Timber, cedar and pinon.
	Mountainous land on 80.00 chs.
<hr/>	
	North, resurveying bet. secs. 1 and 6.
	Ascend abruptly over rocky and mountainous land.
1.15	Rocky spur, projects SW.
	Abrupt descent.
13.00	Hollow, 300 ft. deep, course SW.
	Abrupt ascent.
23.00	Ridge, bears NW. and SE.
	Abrupt descent.
33.50	Gulch, 300 ft. deep, course W.
	Abrupt ascent.
40.00	Set an iron post, 3 ft. long, 1 in. dia., in mound of stone and earth, for re-established $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 on W. half, and S 6 on E. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

RESURVEY OF THE WEST BOUNDARY OF T.32 S., R.14 W.

CHAINS

Pits impracticable.

On account of natural obstacles it is impossible to set this post over 15 ins. in the ground.

After diligent search no trace can be found of the old $\frac{1}{4}$ sec.cor.

44.50 Spur, projects W..

Abrupt descent.

53.00 Hollow, 150 ft. deep, course NW.

Abrupt ascent.

56.00 Spur, projects NW.

Descend.

68.00 Hollow, 75 ft. deep, course NE.

Ascend.

80.00 The cor.of Tps.31 and 32 S., Rs.14 and 15 W.bears W.167 lks.dist.

Set an iron post, 3 ft.long, 3 ins.dia., in mound of stone and earth, for re-established cor.of Tps.31 and 32 S., Rs.14 and 15 W., marked on brass cap

T 31 S on N.half, T 32 S on S.half,

R 14 W S 36 in NW.,

R 14 W S 31 in NE.,

R 14 W S 6 in SE., and

R 15 W S 1 in SW.quadrant, from which

A cedar, 4 ins.diam., bears N.19°30'E., 42 lks.dist., marked T 31 S R 14 W S 31 BT.

A cedar, 10 ins.diam. bears S.52°30'E., 88 lks.dist., marked T 32 S R 14 W S 6 BT.

A cedar, 10 ins.diam., bears S.32°W., 38 lks.dist., marked T 32 S R 15 W S 1 BT.

A cedar, 9 ins.diam., bears N.61°W., 26 lks.dist., marked T 31 S R 15 W S 36 BT.

On account of natural obstacles it is impossible to set this post over 15 ins.in the ground.

RESURVEY OF THE WEST BOUNDARY OF T.32 S., R.14 W.

CHAINING

I destroy all traces of the old Tp.cor.

bare, mountainous.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 80.00 chs.

September 14: At this cor. I set off $3^{\circ}27'N.$, on decl. arc, and at 11h.56m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $38^{\circ}04'N.$

RESURVEY OF THE NORTH BOUNDARY OF T.32 S., R.14 W.

From the re-established cor. of Tps. 31 and 32 S., Rs. 14 and 15 W., heretofore described, I run S. $89^{\circ}58'E.$

retracing bet. secn. 6 and 31, at 38.43 chs. the $\frac{1}{4}$ sec. cor. bet. secn. 6 and 31 bears N.49 lks. dist. and at 77.82 chs. the cor. of secn. 5-6-31 and 32 bears N.160 lks. dist.

I continue my line S. $89^{\circ}58'E.$, and find several corners missing and no part of the line within limits for course or distance and at 478.64 chs. fall 144 lks. N. of the cor. of Tps. 31 and 32 S., Rs. 14 and 15 W., heretofore described.

The falling answers to a correction of $0^{\circ}10'$ or 24 lks. N. per mile counting from the NE.cor. of the Tp.

This line being out of limits for course and distance and several corners being missing, there being no subdivisions dependent upon it, I resurvey this line as follows:

N. $89^{\circ}48'W.$, bet. secn. 1 and 36.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 20 in. in the ground, cor. re-established $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{2}$ in. on E. half, and 3.1 on S. half, dig. pitn. 18x18x12 in., N. end X. of post, 2 ft. dist., and raise a mound of

RESURVEY OF THE NORTH BOUNDARY OF T.32 S., R.14 W.

CHAINS	
	earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No trace can be found of the old $\frac{1}{4}$ sec.cor.
41.00	Road from Lund to Milford, bears NE. and SW.
42.34	Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N. $44^{\circ}40' E.$, and S. $44^{\circ}40' W.$ This point is 8.00 chs. NE. from the NE. end of Kerr Siding on the railroad, which is on the east side of the main track.
43.36	Telegraph line, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for re-established cor. of secs. 1-2-35 and 36, marked on brass cap T 31 S S' 35 in NW., R 14 W S 36 in NE., R 14 W S 1' in SE., and T 32 S S' 2 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. I destroy all traces of the old sec.cor. which bears N. $21^{\circ}W.$, 118 lks. dist. Land, level. Soil, loam, 1st. rate. No timber. Undergrowth, sage brush.
	September 14, 1909
	September 15: At 6h.55m., a.m., l.m.t., I set off $38^{\circ}04' N.$ on lat.arc, $3^{\circ}11' N.$ on decl.arc, and determine a meridian with the solar at the re-established cor. of secs. 1-2-35 and 36. Thence I run N. $89^{\circ}48' W.$, resurveying bet. secs. 2 and 35. Gradual ascent through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground

RESURVEY OF THE NORTH BOUNDARY OF T. 32 S., R. 14 W.

CHAINS	
	for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 35 on N.half, and S 3 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft.dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.high, N.of cor. No trace can be found of the old sec.cor.
80.00	Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the ground for re-established cor.of secs.2-3-34 and 35, marked on brass cap, T 31 S S 34 in NW., R 14 W S 35 in NE., R 14 W S 2 in SE. and T 32 S S 3 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor. I destroy all traces of the old sec.cor. which bears N., 265 lks.dist. Land, sloping east. Soil, loam, 1st.rate. No timber. Undergrowth, sage brush.
	N.89°48'W., resurveying betsecs.3 and 34. Gradual ascent through sparse undergrowth.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for re-established $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 34 on N.half, and S 3 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft.dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.high, N.of cor. No trace can be found of the old $\frac{1}{4}$ sec.cor.
80.00	Set an iron post, 3 ft.long, 3 ins.dia., 24 ins.in the ground, for re-established cor.of secs.3-4-33 and 34, marked on brass cap T 31 S S 33 in NW., R 14 W S 34 in NE., R 14 W S 3 in SE., and T 32 S S 4 in SW.quadrant, dig pits, 18x18x12 ins.,

RESURVEY OF THE NORTH BOUNDARY OF T.32 S., R.14 W.

CHAINS

in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

After diligent search no trace can be found of the old sec.cor.

Land, sloping east.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

N. $89^{\circ}48'W.$, resurveying bet. secs. 4 and 33.

Gradual ascent through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 33 on N. half, and S 4 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

I destroy all traces of the old $\frac{1}{4}$ sec.cor. which bears N. $14^{\circ}30'W.$, 208 lks. dist.

80.00 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for re-established cor. of secs. 4-5-32 and 33, marked on brass cap T 31 S S 32 in NW.,
R 14 W S 33 in NE.,
R 14 W S 4 in SE., and
T 32 S S 5 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

After diligent search no trace can be found of the old sec.cor.

Land, sloping east.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

RESURVEY OF THE NORTH BOUNDARY OF T. 32 S., R. 14 W.

CHAINS	
	N. 89° 48' W., resurveying bet. secs. 5 and 32.
	Gradual ascent through spartan undergrowth.
4.60	Old Pioche road, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 32 on N. half, and S 5 on S. half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
	I destroy all traces of the old $\frac{1}{4}$ sec. cor. which bears N. 32° W., 187 lbs. dist.
80.00	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for re-established cor. of secs. 5-6-31 and 32, marked on brass cap T 31 S S 31 in NW., R 14 W S 32 in NE., R 14 W S 5 in SE., and T 32 S S 6 in SW. quadrant, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	I destroy all traces of the old sec. cor., heretofore mentioned.
	Land, rolling.
	Soil, rocky loam, 2nd. rate.
	No timber.
	Undergrowth, sage brush.
	September 15: At this cor. I set off 3° 04' N. on decl. arc, and at 11h.55m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38° 04' N.
	<hr/>
	N. 89° 48' W., resurveying bet. secs. 6 and 31.
	Ascend over rolling and rocky land.
11.00	Begin ascent over mountainous land, bearing N. and S.
21.00	Spur, projects N.
	Descend.
	Enter scattering timber.

RESURVEY OF THE NORTH BOUNDARY OF T.32 S., R.14 W.

CHAINS	
30.00	Hollow, 75 ft. deep, course NW. Ascend.
35.00	Spur, projects N. Descend.
38.00	Hollow, 75 ft. deep, course N. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for re-established $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 31 on N.half, and S 6 on S.half, from which A cedar, 5 ins. diam., bears N.12°W., 60 lks. dist., marked $\frac{1}{4}$ S 31 BT. A cedar, 5 ins. diam., bears S.55°30'W., 32 lks. dist., marked $\frac{1}{4}$ S 6 BT. I destroy all traces of the old $\frac{1}{4}$ sec.cor., heretofore mentioned.
41.00	Spur, projects NE. Descend.
59.00	Hollow, 75 ft. deep, course NE. Ascend.
78.64	The cor. of Tps. 31 and 32 S., Rs. 14 and 15 W. Land, rolling and mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land on 67.64 chs.

September 15, 1909

For General Description see Subdivisions of
T.32 S., R.14 W.

BOUNDARIES OF T. 32 S. R.14 W.

Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
S.Bdy.		Chs.	Chs.	Chs.	Chs.	Chs.
	N. 89° 50' W.	80.08	0.23			80.08
	N. 89° 59' W.	80.20	0.03			80.20
	N. 89° 50' W.	80.16	0.23			80.16
	N. 89° 52' W.	80.46	0.19			80.46
	N. 89° 51' W.	79.82	0.21			79.82
W.Bdy.	N. 89° 49' W.	77.64	0.25			77.64
	North	480.00	480.00			
N.Bdy.	S. 89° 48' E.	478.64		1.67	478.64	
E.Bdy. or 2nd. Guide Mer.	S. 0° 08' W.	79.86		79.86		0.19
	S. 0° 09' W.	78.80		78.80		0.21
	S. 0° 09' W.	120.33		120.33		0.32
	S. 0° 10' W.	39.98		39.98		0.12
	S. 0° 15' W.	79.94		79.94		0.35
	S. 0° 06' E.	79.98		79.98		0.14
Conbergency						0.57
Totals		481.14	480.56	479.35	479.55	
		480.56				479.35
Error in lat.		0.58	Error in dep.		0.20	

Frank T. Roberts
U.S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

....., *Chainman.*
For list of names and final oath of assistants see book "Z"¹⁴, *Chainman.*

T. 34 S., R. 12 W., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying all those parts or portions of the _____

....., of the _____

....., meridian, of, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

Subscribed and sworn to before me this

day of, 100 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the United States Surveyor General for _____, day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final oath of deputy see book "Z" T. 34 S., R. 12 W.¹⁴

of the _____
meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910^{xx}

The foregoing field notes of the ^{re} survey of the West and North Boundaries of Township 32 South, Range 14 West of the Salt Lake Base and Meridian, Utah,

executed by _____ Frank T. Roberts
under his contract No. 313, dated April 5, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys they describe, are hereby approved.

Thomas H. Russell
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

" Z 12 "
BOOK A-356

FILED

JAN 1910

FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N S

of

TOWNSHIP NO. 32 SOUTH, RANGE NO. 14 WEST,

Of the Salt Lake Base and Meridian,

in the state of Utah

AS SURVEYED BY

Frank T. Roberts, United States Deputy Surveyor,

Under his Contract No. 313, dated April 5, 1909

Survey commenced September 15, 1909

Survey completed September 21, 1909

6-101

Survey 313
59-108-45
59-108-29
08

NAMES AND DUTIES OF ASSISTANTS.

Sterling Wright, Chainman

Claude L. Heist, "

Erastus B. Dalley, Moundman

George B. McConnell, "

Joseph D. Foster, Axman

Farl V. Woolley, "

Rodney B. Shelley, Flagman

For preliminary affidavits see book "E" T. 35 S., R. 17 W.

6-151

Volume

R0356

BOOK A-356

INDEX DIAGRAM.

Township 32 SOUTH, Range 14 West.

6											
	43	5	31	4	23	3	16	2	5	1	
42		41	30		22			15		9	
7	40	8	29	9	22	10	14	11	5	12	
39		39	29		21		14			8	
18	38	17	28	16	20	15	13	14	4	13	
37		36		27		20		13		8	
19	36	20	26	21	19	22	12	23	3	24	
35		34		26		19		11		7	
20	33	20	25	28	18	27	11	26	3	25	
33		32		25		17		10		6	
31	31	22	24	33	17	34	10	35	2	36	

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

Survey commenced September 15, 1909 and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

I begin at the cor. of secs. 1-2-35. and 36, herefore described on the S.bdy. of the Tp., in approximate latitude $37^{\circ}59'N.$, longitude $115^{\circ}20'W.$, I set off $37^{\circ}59'$ N. on lat.arc, $3^{\circ}01'N.$ on decl.arc, and at 3h.55m., p.m.l.m.t. determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.N. of the cor.

At 7h.55m., p.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg, driven in the ground, 5 chs.N. of my station.

September 15, 1909

September 16: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}30'$ to the west and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.5 ins. east of the mark determined by the solar.

At 6h.55m., a.m., l.m.t., I set off $37^{\circ}59'N.$ on lat.arc, $2^{\circ}48'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station: this mark falls 0.5 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'26''$ west and east of the meridian established by the Polaris obser-

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

vations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h.30m., a.m. is N.16°24'W., the angle thus determined gives the mag.decl.16°24'E.

The east boundary of this township being an irregular line, bearing 95 lks. to the east in running north 6 miles in order not to carry this condition into the subdivisions I run a sectional guide meridian.

I begin at the cor.of secs.14-24-35. and 36 and run

North, on sectional guide meridian,

Bet.secs.35 and 36.

Over nearly level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 35 on W.half, and S 36 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, W.of cor.

2 80.00 Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground, for cor.of secs.25-26-35. and 36, marked on brass cap T 32 S S 26 in NW.,
R 14 W S 25 in NE.,
S 36 in SE., and
S 35 in SW.quadrant, dig pits, 18x18x12 ins., in each sec.
 $5\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor.

Land, nearly level.

Soil, sandy, 2nd.rate.

No timber.

Undergrowth, sage brush and greasewood.

SUBDIVISIONS OF T.32 S., R.14 E.

CHAINS	
	North, on sectional guide meridian, Bet. secs. 25 and 26. Over level land, through sparse undergrowth.
32.25	Road from Lund to Cedar City bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 26 on W. half, and S 25' on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
74.20	Road from Lund to Cedar City, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 23-24-25 and 26, marked on brass cap T 32 S S 23 in NW., R 14 W S 24 in NE., S 25 in SE., and S 26 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy, 2nd. rate. No timber. Undergrowth, sage brush and greasewood.
	North, on sectional guide meridian, Bet. secs. 23 and 24. Over level land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 23 on W. half, and S 24 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 13-14-23 and 24, marked on brass cap T 32 S S 14 in NW.,

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

R 14 W S 13 in NE.,

S 24 in SE., and

S 23 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, W. of cor.

Land, level.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

North, on sectional guide meridian,

Bet. secs. 13 and 14.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 14 on W. half, and
S 13 on E. half, dig pits, 18x18x12 ins., N. and S. of post,
3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground
for cor. of secs. 11-12-13 and 14, marked on brass cap

T 32 S S 11 in NW.,

R 14 W S 12 in NE.,

S 13 in SE., and

S 14 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, W. of cor.

Land level.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	North, on sectional guide meridian, Bet. secs. 11 and 12. Over level land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 11 on W.half, and S 12 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor.of secs. 1-2-11 and 12, marked on brass cap T 32 S S 2' in NW., R 14 W S 1 in NE., S 12 in SE., and S 11 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W.of cor. Land, level. Soil, sandy loam. No timber. Undergrowth, greasewood, chad scale and sage brush.
	Knowing from the retracement of the E.bdy.of the township, that the line betsecs. 1 and 2 will not close within limits on the north bdy.of the Tp., I run North, on a true line, Bet. secs. 1 and 2. Over level land, through sparse undergrowth.
37.75	Road from Lund to Milford, bears NE. and SW.
39.39	Center of track of the San Pedro, Los Angeles and Salt Lake railroad, bears N.44°40'E. and S.44°40'W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 2 on W.half, and S 1 on E.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	ft. high, W. of cor. Pits impracticable. From this $\frac{1}{4}$ sec. cor. the 543rd. mile post of the railroad bears N. 6° 15' W., 38 lks. dist.
40.43	Telegraph line, bears NE. and SW.
78.91	Intersect N. bdy. of Tp., 1.23 chs. N. 89° 48' W., from the re-established cor. of secs. 1-2-35 and 36, heretofore described Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for closing cor. of secs. 1 and 2, marked on brass cap T 31 S R 14 W S 35. CC S 36 on N. half, and S 2 S 1 T 32 S R 14 W on S. half, dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor. I destroy all marks on the re-established cor. of secs. 1-2-35 and 36, that pertain to T.32 S. Land, level. Soil, sandy loam, 1st. rate. No timber. Undergrowth, greasewood, shad scale and sage brush. September 16: At this cor. I set off 2° 41' N., on decl. arc, and at 11h. 55m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38° 04' N.
40.00	From the cor. of secs. 25-26-35 and 36, I run S. 89° 50' E., on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect 2nd. Guide Meridian, 12 lks. N. of the cor. of secs. 25-30-31 and 36, heretofore described. Thence I run N. 89° 45' W., on a true line, Bet. secs. 25 and 36.

SUBDIVISIONS OF T. 32 S., R. 14 W.

CHAINS

- Over level land, through sparse undergrowth,
- 39.97 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 25 on N. half, and S 36^v on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.94 The cor. of secs. 25-26-35 and 36.
Land, level.
Soil, sandy 2nd. rate.
No timber.
Undergrowth greasewood, shad scale and sage brush.
-
- From the cor. of secs. 23-24-25 and 26, I run
S. 89° 45' E., on a random line, bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.33 Intersect 2nd. Guide Meridian, 5 lks. N. of the cor. of secs. 19-24-25 and 30, heretofore described.
Thence I run
N. 89° 43' W., on a true line,
Bet. secs. 24 and 25.
Over level land, through sparse undergrowth.
- 40.16 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 24 on N. half and S 25 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.33 The cor. of secs. 23-24-25 and 26.
Land, level.
Soil, sandy, 2nd. rate.
No timber.
Undergrowth, sage brush, shad scale and greasewood.
-

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

From the cor. of secs. 13-14-23 and 24, I run

S.89°43'E., on a random line, bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.59 Intersect 2nd. Guide Meridian, 3 lks.S. of the re-established
cor. of secs. 13-12-19 and 24, heretofore described.

Thence I run

N.89°44'W., on a true line,

Bet. secs. 13 and 24.

Over level land, through sparse undergrowth.

40.59 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 13 on N.half, and
S 24 on S.half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.
high, N.of cor.

80.59 The cor. of secs. 13-14-23 and 24.

Land, level.

soil, sandy, 2nd. rate.

No timber.

Undergrowth, sage brush, shad scale and greasewood brush.

From the cor. of secs. 11-12-13 and 14, I run

S.89°44'E., on a random line, bet. secs. 12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.88 Intersect 2nd. Guide Meridian, 30 lks.S. of the cor. of secs.
7-12-13 and 18, heretofore described.

Thence I run

N.89°57'W., on a true line,

Bet. secs. 12 and 13.

Over level land, through sparse undergrowth.

40.88 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 12 on N.half, and
S 13 on S.half, dig pits, 18x18x12 ins., E. and W. of post,

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

3 ft.dist., and raise a mound of stone, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, N.of cor.

80.88 The cor.of secs.11-12-13 and 14.

Land, level.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, sage brush, shad scale and greasewood.

Knowing from the retrace ment of the F.bdy.

that the line bet.secs.1 and 12 will not close within limits on the cor.of secs.1-6-7 and 12, I begin at the cor.of secs.1-2-11 and 12, and run

S. $89^{\circ}57' E.$, on a true line, bet.secs.1 and 12.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft.long, 1.in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 1 on N.half, and S 12 on S.half, dig pits, 18x18x12 ins., E.and W.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, N.of cor.

81.12 Intersect 2nd.Guide Meridian, 122 lks.N. $0^{\circ}08'E.$, from the cor.of secs.1-2-11 and 12, heretofore described.

Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground for closing cor.of secs.1 and 12, marked on brass cap T 32 S on N.half,

S 6 CC S 7 R 13 W on E.half, and

S 1 S 2 on W.half, dig pits, 24x18x12 ins., crosswise on each line, N.and S.3 ft.and W.of post, 7 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

I destroy all marks on the cor.of secs.1-6-7 and 12 that pertain to R.14 W.

Land, level.

Soil, sandy loam, 1st.rate.

No timber.

Undergrowth, sage brush, shad scale and greasewood.

September 16, 1909

BOOK A-350
-18-

SURVEYINGS OF T.32 R.14 W.

CHAKES

September 17: At 6h.55m., a.m., I set off 37°59'W.
on lat.arc, 2°25'N.on decl.arc, and determine a meridian
with the solar at the cor.of secns. 23-34 and 35, heretofore
described on the S.bdy. of the Tr., thence I run
N.0°01'W., bet.secns. 34 and 35.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for \pm sec.cor., marked on brass cap, $\frac{1}{2}$ S 34 on W.half, and
S 35 on E.half, dig pits, 18x18x12 ins., N. and S. of post,
3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, E. of cor.

40.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground
for cor.of secns. 26-27-34 and 35, marked on brass cap
T 32 S S 27 in NW.,
E 14 W S 26 in NE.,
S 35 in SE., and
S 34 in SW.quadrant, dig pits, 18x18x12 ins., in each secn.,
5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, E. of cor.

Land, level.

Soil, sandy, 2nd rate.

No timber.

Undergrowth, greenwood, shed scale and sage brush.

8.00-59'W., on a random line, bet.secns. 26 and 35.

40.00 Set temp. \pm sec.cor.

40.10 Intercept N. and S. line, 14 ins. S. of the cor.of secn.
23-26-34 and 35.

Thence I run

S.49°55'W., on a true line,

Bet.secns. 34 and 35.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for \pm sec.cor. marked on brass cap, $\frac{1}{2}$ S 34 on W.half, and

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	S 35' on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft.dist., and raise a mound of earth, 3½ ft.base, 1½ ft. high, N.of cor.
80.16	The cor.of secs.26-27-34 and 35. Land, level. Soil, sandy, 2nd.rate. No timber. Undergrowth, greasewood, shad scale and sage brush.
	N.0°01'W., betsecs.26 and 27.
	Over level land, through sparse undergrowth.
40.00	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 27 on W.half, and S 26 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, 3½ ft.base, 1½ ft. high,W.of cor.
74.25	Road from Lund to Cedar City, bears E. and W.
80.00	Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground for cor.of secs.22-23-26 and 27, marked on brass cap, T 32 S S 22 in NW., R 14 W S 23 in NE., S 26 in SW., and S 27 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5½ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high,W.of cor. Land, level. Soil, sandy, 2nd.rate. No timber. Undergrowth, greasewood, shad scale and sage brush.
	N.89°55'E., on a random line,betsecs.23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.18	Intersect N.and S.line, 3 lks.S.of the cor.of secs. 23-24-25 and 26!

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

Thence I run

S.89°54'W., on a true line,

Bet.secs.23 and 26.

Over level land, through sparse undergrowth.

40.09 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 23 on N.half, and S 26 on S.half, dig pits, 18x18x12 ins., E.and W.of post, 3 ft.dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft. high,N.of cor.

80.18 The cor.of secs.22-23-26 and 27.

Land, level.

Soil, sandy, 2nd.rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

N.0°01'W., bet.secs.22 and 23.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 22 on W.half, and S 23 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft. high,W.of cor.

80.00 Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground for cor.of secs.14-15-22 and 23, marked on brass cap
T 32 S S 15 in NW.,
R 14 W S 14 in NE.,
S 23 in SE., and
S 22 in SW.quadrant, dig pits, 18x18x12 ins., in each sec. 5 $\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high,W.of cor.

Land, level.

Soil, sandy, 2nd.rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	N.89°54'E., on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 13-14-23 and 24. Thence I run
	S.89°59'W., on a true line, Bet. secs. 14 and 23.
	Over level land, through sparse undergrowth.
40.10	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 on N. half, and S 23 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.20	The cor. of secs. 14-15-22 and 23. Land, level. Soil, sandy, 2nd. rate. No timber. Undergrowth, greasewood, shad scale and sage brush. September 17: At this cor. I set off 2°18'N., on decl. arc, and at 11h.55m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38°02'N.
	<hr/> N.0°01'W., bet. secs. 14 and 15. Over level land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 on W. half and S 14 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 10-11-14 and 15, marked on brass cap T 32 S S 10 in NW., R.14 W S 11 in NE.,

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

S 14 in SE., and
 S 15 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, W. of cor.
 Land, level.
 Soil, sandy, 2nd. rate.
 No timber.
 Undergrowth, greasewood, shad scale and sage brush.

N. $89^{\circ}59'W.$, on a random line, bet. secs. 11 and 14.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.22 Intersect N. and S. line, 3 lks. S. of the cor. of secs.
 11-12-13 and 14.
 Thence I run
 S. $89^{\circ}58'W.$, on a true line,
 Bet. secs. 11 and 14.
 Over level land, through sparse undergrowth.
 40.11 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{2}$ S 11 on N.
 half, and S 14 on S. half, dig pits, 18x18x12 ins.,
 E. and W. of post; 3 ft. dist., and raise a mound of earth,
 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 80.23 The cor. of secs. 10-11-14 and 15.
 Land, level.
 Soil, sandy loam, 1st. rate.
 No timber.
 Undergrowth, greasewood, shad scale and sage brush.

N. $0^{\circ}01'W.$, bet. secs. 10 and 11.

- Over level land, through sparse undergrowth.
 35.50 Road from Lund to Milford, bears NE. and SW.
 38.24 Center of track of the San Pedro, Los Angeles and Salt
 Lake Railroad, bears N. $44^{\circ}40'E.$, and S. $44^{\circ}40'W.$
 39.29 Telegraph line, bears NE. and SW.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10' on W. half, and S. 11' on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 2-3-10 and 11, marked on brass cap, Th 32. S. S. 3' in NW., RR 14 W. S. 2' in NE., S. 11' in SE. and, S 10' in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
- Land, level.
- Soil, loam, 1st. rate.
- No timber.
- Undergrowth, greasewood, shad scale and sage brush.

N. 89°58'E., on a random line, bet. secs. 2 and 11.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 1-2-11 and 12.
- Thence I run
- West, on a true line, bet. secs. 2 and 11.
- Over level land, through sparse undergrowth.
- 37.50 Road from Lund to Milford bears NE. and SW.
- 39.00 Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N. 44°40'E., and S. 44°40'W.
- 39.95 Telegraph line, bears NE. and SW.
- 40.10 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 2' on N. half, and S. 11' on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

80.20

The cor. of secs. 2-3-10 and 11.

Land level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

Knowing from previous surveys that the line bet. secs. 2 and 3 will not close within limits on the N.bdy. of the Tp., I run

N.0°01'W., bet. secs. 2 and 3.

Over level land, through sparse undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 3 on W. half and S 2 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.

79.14

Intersect N.bdy. of Tp., 145 lks.N.89°48'W., from the re-established cor. of secs 2-3-34 and 35, heretofore described.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap T 31 S R 14 W S 34 CC S 35 on N.half, and S 2 S 3 on S.half,
dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

I destroy all marks on the cor. of secs. 2-3-34 and 35, that pertain to T.32 S.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

September 17, 1909

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

September 18: At 6h.54m., a.m., l.m.t., I set off $37^{\circ}50'$ N. on lat.arc, $2^{\circ}02'$ N. on decl.arc, and determine a meridian with the solar at the cor. of secs. 3-4-33 and 34, heretofore described on the S.bdy. of the Tp.

Thence I run

$N.0^{\circ}01'W.$, bet.secs.33 and 34.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 33 on W.half, and S 34 on E.half, dig pits, 18x18x12 ins., N.and S.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, W.of cor.

80.00 Set an iron post, 3 ft. long, 2 ins.dia., 24 ins.in the ground for cor.of secs. 27-28-33 and 34, marked on brass cap T 32 S S 28 in NW.,

R 14 W S 27 in NE.,

S 34 in SE.and

S 33 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor.

Land, level.

Soil, sandy, 2nd.rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

S. $89^{\circ}50'E.$, on a random line, bet.secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.12 Intersect N.and S.line, 5 lks.N.of the cor.of secs. 26-27-34 and 35.

Thence I run

$N.89^{\circ}48'W.$, on a true line,

Bet.secs. 27 and 34.

Over level land, through sparse undergrowth.

40.06 Set an iron post, 3 ft. long, 1 in.dia., 26 ins.in the ground

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 27 on N.half, and S 34 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, N.of cor.

58.21 Telephone line, bears NW.and SE.

80.12 The cor.of secs. 27-28-33 and 34.

Land, level.

Soil, sandy, 2nd.rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

N.0°01'W., betsecs. 27 and 28.

Over level land, through sparse undergrowth.

31.84 Telephone line, bears NW.and SE.

40.00 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 on W.half, and S 27 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, W.of cor.

80.00 Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground for cor.of secs. 21-22-27 and 28, marked on brass cap

T 32 S S 21 in NW.,

R 14 W S 22 in NE.,

S 27 in SE., and

S 28 in SW.quadrant, dig pits, 18x18x12 ins., in each sec.,

5 $\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft.

high, W.of cor.

Land, level.

Soil, sandy, 2nd.rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T. 32 S., R. 14 W.

CHAINS

S. 89° 48' W., on a random line, bet. secrs. 22 and 27.

40.00 Set temp. + sec.cor.

80.10 Intersect N. and S. line, 14 lms. S. of the cor. of secs.
22-23-26 and 27.

Thence I run

N. 89° 54' W., on a true line,

Bet. secrs. 22 and 27.

Over level land, through sparse undergrowth.

15.15 Road from Lund to Cedar City, bears NW. and SE.

40.05 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 22 on N. half, and S 27 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.10 The cor. of secrs. 21-22-27 and 28.

Land, level.

Soil, sandy, 2nd. rate.

No timber.

Undergrowth, greenwood, shad scale and sage brush.

N. 0° 01' W., bet. secrs. 21 and 22.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 21 on W. half, and S 22 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

63.00 Road from Lund to Cedar City, bears NW. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secrs. 15-16-21 and 22, marked on brass cap T 32 S S 16 in NW., R 14 W S 15 in NE., S 22 in SE. and S 21 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, level.
	Soil, sandy, 2nd. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
	September 18: At this cor. I set off 1°55'N., on decl. arc, and at 11h.54m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38°02'N.
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	S.89°54'E., on a random line, bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 14-15-22 and 23.
	Thence I run
	S.89°59'W., on a true line,
	Bet. secs. 15 and 22.
	Over level land, through sparse undergrowth.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 on N. half, and S 22 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
80.06	The cor. of secs. 15-16-21 and 22.
	Land, level.
	Soil, sandy, 2nd. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
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	N.0°01'W., bet. secs. 15 and 16.
	Over level land, through sparse undergrowth.
34.00	Road from Lund to Milford, bears NE. and SW.
36.25	Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N.44°40'E., and S.44°40'W.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

- 37.10 Telegraph line, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 on W. half, and S 15 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 9-10-15 and 16, marked on brass cap
T 32 S S 9 in NW.,
R 14 W S 10 in NW.,
S 15 in SE., and
S 16 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, sandy, 2nd. rate.
No timber.
Undergrowth, greasewood, shad scale and sage brush.

N.89°59'W., on a random line, bet. secs. 10 and 15.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
10-11-14 and 15.
Thence I run

S.89°56'W., on a true line,

Bet. secs. 10 and 15.

Over level land, through sparse undergrowth.

- 38.00 Road from Lund to Wilford, bears NE. and SW.
38.75 Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N.44°40'E., and S.44°40'W.
38.90 Telegraph line, bears NE. and SW.
40.02 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 on N. half, and S 15 on S. half, dig pits, 18x18x12 ins., E. and W. of post,

	CHAINS	3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.04	The cor. of secs. 9-10-15 and 16. Land, level. Soil, sandy loam, 1st. rate. No timber. Undergrowth, greasewood, shad scale and sage brush.	N. $0^{\circ}01'W.$, bet. secs. 9 and 10. Over level land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4} S 9$ on W. half, and S 10 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.	T 32 S S 4 in NW., R 14 W S 3 in NE., S 10 in SW., and S 9 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
80.00	Land, level. Soil, loam, 1st. rate. No timber. Undergrowth, greasewood, shad scale and sage brush.	N. $0^{\circ}01'W.$, on a random line, bet. secs. 9 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.02	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 2-3-10 and 11. Thence I run.	

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

S.89°57'W., on a true line, bet. secs. 3 and 10.

Over level land, through sparse undergrowth.

40.01 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 3' on N. half, and S 10' on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.02 The cor. of secs. 3-4-9 and 10.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, sage brush.

Knowing from previous surveys that the line bet. secs. 3 and 4 will not close within limits on the N. bdy. of the Tp., I run .

N.0°01'W., on a true line, bet. secs. 3 and 4.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 4' on W. half, and S 3' on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

79.48 Intersect N. bdy. of Tp., 135 lks. N.89°48'W., from the re-established cor. of secs. 3-4-33 and 34, heretofore described.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 3 and 4, marked on brass cap T 31 S R 14 W S 33 CC S 34 on N. half, and S 3 S 4' on S. half,

dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

CHAINS

I destroy all marks on the cor. of secs. 3-4-33 and 34,
that pertain to T.32 S.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

September 18, 1909

September 19: At 6h.54m., a.m., l.m.t., I set off 37°59' N.
on lat. arc, 1°38' N. on decl. arc, and determine a meridian
with the solar at the cor. of secs. 4-5-32 and 33, heretofore
described on the S. bdy. of the Tp.

Thence I run

N. 0°02' W., bet. secs. 32 and 33.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 on W.
half, and S 33 on E. half, dig pits, 18x18x12 ins., N. and S.
of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor.

44.90 Road from Cedar City to Lund, bears NW. and SE.

74.00 Same road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground
for cor. of secs. 28-29-32 and 33, marked on brass cap
T 32 S S 29 in NW.,
R 14 W S 28 in NE.,
S 33 in SE., and
S 32 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.,
 $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft.
high, E. of cor.

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

- S. 89° 52' E., on a random line, bet. secs. 28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.50 Intersect the cor. of secs. 27-28-33 and 34.
 Thence I run
 N. 89° 52' W., on a true line,
 Bet. secs. 28 and 33.
 Over level land, through sparse undergrowth.
 40.25 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
 for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 on N. half, and
 S 33 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor.
 79.20 Road from Lund to Cedar City, bears N. and S.
 80.50 The cor. of secs. 28-29-32 and 33.
 Land, level.
 Soil, sandy loam, 2nd. rate.
 No timber.
 Undergrowth, greasewood, shad scale and sage brush.
 N. 0° 02' W., bet. secs. 28 and 29.
 Over level land, through sparse undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,
 for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 29 on W. half, and
 S 28 on E. half, dig pits, 18x18x12 ins., N. and S. of post,
 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor.
 71.80 Wire fence, bears E. and W.
 Enter D.T.Jackson's pasture.
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
 ground, for cor. of secs. 20-21-28 and 29, marked on brass
 cap T 32 S 20 in NW.,
 R 14 W S 21 in NE.,
 S 28 in SE., and
 S 29 in SW. quadrant, dig pits, 18x18x12 ins., in each sec.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

$5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

From this cor. the Lund depot, bears N. $16^{\circ}37' E.$

Land, level.

Soil, loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

S. $89^{\circ}52' E.$, on a random line, bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.50 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 21-22-27 and 28.

Thence I run

N. $89^{\circ}48' W.$, on a true line,

Bet. secs. 21 and 28.

Over level land, through sparse undergrowth.

31.00 Telephone line, bears NW. and SE.

40.25 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 on N. half, and S 28 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

71.60 Road from Lund to Cedar City, bears N. and S.

76.40 Wire fence, bears N. and S.

80.50 The cor. of secs. 20, 21-28 and 29.

Land, level.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

N. $0^{\circ}02' W.$, bet. secs. 20 and 21.

Over level land, through sparse undergrowth.

31.33 Wire fence bears NE. and SW.

33.89 Road from Lund to Modena, bears NE. and SW.

SUBDIVISIONS OF T. 32 S., R. 14 W.

CHAINS	
35.45	Center of main track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N.44°40'E. and S.44°40'W.
35.79	Lund side track, bears N.44°40'E. and S.44°40'W.
36.48	Telegraph line, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 20 on W. half, and S 21 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
70.92	Road, bears E. and W.
73.02	Spur of railroad, bears N.45°10'W. and S.45°10'E.
74.00	Stock yard for loading of cattle bears E.1.00 ch.dist.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 16-17-20 and 21, marked on brass cap, T 32 S S 17 in NW., R 14 W S 16 in NE., S 21 in SE., and S 20 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. From this cor. the Lund depot bears S.26°30'W. From the depot D.T.Jackson's house bears northeast 11.00 chs. dist. Land level. Soil, loam, 1st. rate. No timber. Mountainous land on 80.00 chs.
40.00	S.89°48'E., on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec.cor.
80.49	Intersect N. and S. line, 5 lks.S. of the cor. of secs. 15-16-21 and 22. Thence I run N.89°50'W., on a true line, Bet. secs. 16 and 21.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

Over level land, through sparse undergrowth.

34.20 Road from Lund to Milford, bears NE. and SW.

36.40 Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N.44°40'E. and S.44°40'W.

37.00 Telegraph line, bears NE. and SW.

40.24 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 16 on N.half, and S 21 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

80.49 The cor.of secs.16-17-20 and 21.

Land, level.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

N.0°02'W., betsecs.16 and 17.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 17 on W.half, and S.16 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

42.60 Enter dry lake bed, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor.of secs.8-9-16 and 17, marked on brass cap T 32 S S 8 in NW.,

R 14 W S 9 in NE.,

S 16 in SE., and

S 17 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft. base, 2 ft.

high, W.of cor.

Land, level.

Soil, sandy loam, 1st. rate.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
	S.89°50'E., on a random line, bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.46	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 9-10-15 and 16. Thence I run N.89°47'W., on a true line, Bet. secs. 9 and 16.
	Over level land, through sparse undergrowth.
40.23	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 9 on N. half, and S 16 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.00	Enter dry lake bed, bears N. and S.
80.46	The cor. of secs. 8-9-16 and 17. Land, level.
	Soil, sandy loam, 1st. rate.
	No timber.
	Undergrowth, greasewood.
	N.0°03'W., bet. secs. 8 and 9.
6.00	Over dry lake bed, and level land.
40.00	Leave lake bed, bears E. and W. Enter sparse undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 8 on W. half, and S 9 on E. half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4-5-8 and 9, marked on brass cap T 32 S 5 in NW., R 14 W S 4 in NE., S 9 in SE., and

CHAINS

S 8 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy, 2nd. rate.

No timber.

Undergrowth, greasewood.

September 19: At this cor. I set off 1° 32' N. on decl. arc, and at 11h. 54m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38° 03' N.

S. 89° 47' E., on a random line, bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.40 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 3-4-9 and 10.

Thence I run

N. 89° 48' W., on a true line,

Bet. secs. 4 and 9.

Over level land, through sparse undergrowth.

40.20 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 4' on N. half, and S 9' on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.20 The cor. of secs. 4-5-8 and 9.

Land, level.

Soil, sandy loam, 2nd. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

Knowing from previous surveys that the line bet. secs. 4 and 5 will not close within limits on the N.bdy. of the Tp., I run

N. $0^{\circ}02'W.$, on a true line, bet. secs. 4 and 5.

Over level land, through sparse undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 5 on W.half, and S 4 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

79.50 Intersect the N.bdy. of the Tp., 150 lks. N. $89^{\circ}48'W.$, from the re-established cor. of secs. 4-5-32 and 33, heretofore described.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 4 and 5, marked on brass cap T 31 S R 14 W S 32 CC S 33 on N.half, and S 4 S 5 on S.half,
dig pits, 24x18x12 crosswise on each line, E. and W., 3 ft. and S. of post, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
I destroy all marks on the cor. of secs. 4-5-32 and 33, that pertain to T.32 S.

Land, level.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

From the cor.of secs. 5-6-31 and 32, heretofore described on the S.bdy. of the Tp., I run

N. $0^{\circ}03'W.$, bet. secs. 31 and 32.

Over level land, through sparse undergrowth.

14.75 Road, bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 31 on W.half, and S 32 on E.half, dig pits, 18x18x12 ins., N. and S. of post,

SUBDIVISIONS OF T. 32 S., R. 14 W.

CHAINS	
	3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 29-30-31 and 32, marked on brass cap T 32 S S 30 in NW., R 14 W S 29 in NE., S 32 in SE. and S 31 in SW. quadrant, dig pits, 18x18x12 ins., in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, level.
	Soil, sandy loam, 1st. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
	S. 89° 51' E., on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.76	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 28-29-32 and 33. Thence I run
	N. 89° 54' W., on a true line,
	Bet. secs. 29 and 32.
	Over level land, through sparse undergrowth.
39.88	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 on N. half, and S 32 on S. half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.76	The cor. of secs. 29-30-31 and 32. Land, level.
	Soil, sandy loam, 1st. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	N. $89^{\circ}49'W.$, on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.56	Intersect W.bdy. of Tp., 3 lks.N. of the cor. of secs. 25-30-31 and 36, heretofore described.
	Thence I run
	S. $89^{\circ}50'E.$, on a true line,
	Bet. secs. 30 and 31.
	Gradual descent over gently rolling land, through sparse undergrowth.
23.25	Road from Lund to Modena, bears NE. and SW.
37.56	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 on N. half, and S 31 on S.half, dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
42.50	Telegraph line, bears NE. and SW.
43.56	Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N. $44^{\circ}30'E.$, and S. $44^{\circ}30'W.$.
44.75	Road from Lund to Modena, bears NE. and SW.
70.75	Road bears NW. and SE.
77.56	The cor.of secs. 29-30-31 and 32.
	Land, gently rolling.
	Soil, sandy loam, 1st. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
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	N. $0^{\circ}03'W.$, bet. secs. 29 and 30.
	Over level land, through sparse undergrowth.
32.50	Road from Lund to Modena, bears NE. and SW.
33.50	Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N. $44^{\circ}30'E.$, and S. $44^{\circ}30'W.$.
35.25	Telegraph line, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

- for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 30 on W.half, and S 29 on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, W.of cor.
- 49.50 Road from Lund to Modena, bears NE. and SW.
- 80.00 Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground for cor.of secs.19-20-29 and 30, marked on brass cap T 32 S S 19 in NW.,
R 14 W S 20 in NE.,
S 29 in SE., and
S 30 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft.dist., and raise a mound of earth, 4 ft.base, 2 ft. high, W.of cor.
- Land, level.
- Soil, sandy loam, 1st.rate.
- No timber.
- Undergrowth, greasewood, shad scale and sage brush.
-
- S.89°54'E., on a random line, betsecs.20 and 29.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.78 Intersect the cor. of secs.20-21-28 and 29.
Thence I run
N.89°54'W., on a true line,
Betsecs.20 and 29.
Over level land, through sparse undergrowth.
- 33.10 Wire fence, bears NE. and SW.
- 33.50 Road from Lund to Modena, bears NE. and SW.
- 34.00 Center of track of the San Pedro, Los Angeles and Salt Lake Railroad, bears N.44°30'E., and S.44°30'W.
- 35.00 Telegraph line, bears NE. and SW.
- 39.89 Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 20 on N.half, and S 29 on S.half, dig pits, 18x18x12 ins., E. and W.of post, 3 ft.dist., and raise a mound of earth, $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

high, N. of cor.

79.78 The cor. of secs. 19-20-29 and 30.

Land, level.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

September 19, 1909

September 20: At 6h. 54m., a.m., l.m.t., I set off 38°01'N.
on lat.arc, 1°15'N., on decl.arc, and determine a meridian
with the solar at the cor. of secs. 19-20-29 and 30.

Thence I run

N.89°50'W., on a random line, bet. secs. 19 and 30.

40.00 Set temp. \pm sec.cor.77.45 Intersect W.bdy. of Tp., 12 lks.S. of the cor. of secs.
19-24-25 and 30, heretofore described.

Thence I run

S.89°45'W., on a true line, bet. secs. 19 and 30.

Gradual descent over gently rolling land, through sparse
undergrowth.37.45 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 on N.half, and
S 30 on S.half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, N. of cor.

77.45 The cor. of secs. 19-20-29 and 30.

Land, gently rolling.

Soil, sandy loam, 1st. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	N.0°03'W., bet. secs. 19 and 20. Over level land, through sparse undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 on W.half, and S 20° on E.half, dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.
47.75	Road bears E. and W.
61.00	Road bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked on brass cap T 32 S S 18 in NW., R 14 W S 17 in NE., S 20 in SE., and S 19 in SW.quadrant, dig pits, 18x18x12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W.of cor.
	Land, level.
	Soil, sandy loam, 1st. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
	S.89°54'E., on a random line, bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.68	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 16-17-20 and 21.
	Thence I run
	N.89°52'W., on a true line, Bet. secs. 17 and 20.
	Over level land, through sparse undergrowth.
9.50	Road bears NW. and SE.
33.50	Enter bottom of dry lake bed, bears NW. and SE.
39.84	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 17 on N.half, and

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS	
	S 20 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
59.75	Leave dry lake bed bears N. and S.
79.68	The cor. of secs. 17-18-19 and 20. Land, level. Soil, sandy loam, 1st. rate. No timber. Undergrowth, greasewood, shad scale and sage brush.
	N.89°45'W., on a random line, bet. secs. 18 and 19.
40.00	Set temp.- $\frac{1}{4}$ sec.cor.
77.35	Intersect W.bdy. of Tp., 5 lks.N. of the re-established cor. of secs. 13-18-19 and 24, heretofore described. Thence I run
	S.89°47'E., on a true line, Bet. secs. 18 and 19. Descend over rocky and mountainous land, through sparse undergrowth.
12.30	Leave mountainous land, bears NE. and SW. Gradual descent over gently rolling land.
37.35	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 18 on N.half, and S 19 on S.half, dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
59.30	Old Pioche road, bears NE. and SW.
77.35	The cor. of secs. 17-18-19 and 20. Land, mountainous and rolling. Soil, rocky, 3rd. rate on 12.30 chs. balance, sandy loam, 1st. rate. No timber. Undergrowth, greasewood, shad scale and sage brush. Mountainous land on 12.30 chs.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

- N.0°03'W., bet. secs. 17 and 18.
Over level land, through sparse undergrowth.
36.83 Wire fence bears E. and W.
Enter small enclosure.
40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 on W. half, and S 17 on E. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
From this cor. Sulphur Spring, a spring of sulphur water bears S.51°40'W., 239 lks. dist.
40.90 Wire fence bears NE and SW.
Leave enclosure.
Begin gradual ascent, over rolling land, along east slope.
44.50 Old Pioche road, bears NE and SW.
80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked on brass cap
T 32 S S 7 in NW.,
R 14 W S 8 in NE.,
S 17 in SE., and
S 18 in SW. quadrant, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
Land, level and rolling.
Soil, sandy loam, on 40.90 chs. 1st. rate.
balance rocky, 3rd. rate.
No timber.
Undergrowth, greenwood, shed scale and sage brush.
September 20: At this cor. I set off 1°08'N., on decl. arc, and at 11h.54m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 38°03'N.

SUBDIVISIONS OF T. 32 S., R. 14 W.

CHAINS	
	S.89°52'E., on a random line, bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.70	Intersect N. and S. line, 5 lks.N. of the cor.of secs. 8-9-16 and 17.
	Thence I run
	N.89°50'W., on a true line,
	Bet. secs. 8 and 17.
7.00	Over level land, in dry lake bed.
39.85	Leave lake bed, bears N. and S., enter sparse undergrowth.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 8' on N.half, and S 17' on S.half, dig pits, 18x18x12 ins., E. and W. of post 3 ft. dist. and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
60.50	Old Pioche road, bears NE. and SW.
	Begin ascent over rolling land.
79.70	The cor.of secs. 7-8-17 and 18.
	Land, level and rolling.
	Soil, sandy loam, 1st. rate on 60.50 chs.
	balance, rocky, 3rd. rate.
	No timber.
	Undergrowth, greasewood, shad scale and sage brush.
	<hr/>
	N.89°47'W., on a random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
77.25	Intersect W.bdy. of Tp., 12 lks.N. of the re-established cor.of secs. 7-12-13 and 18, heretofore described.
	Thence I run
	S.89°52'E., on a true line,
	Bet. secs. 7 and 18.
	Descend abruptly over rocky and mountainous land, through scattering timber.
13.25	Hollow, 150. ft. deep, course SE.
	Abrupt ascent.
	Leave timber.

CHAINS	
28.00	Rocky spur, projects S. Abrupt descent.
34.25	Hollow, 100 ft. deep, course S. Abrupt ascent.
37.25	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 7 on N. half, and S 18' on S. half, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
38.85	Rocky spur, projects SE. Abrupt descent.
49.00	Leave mountainous land, bears NE. and SW. Descend over rolling land.
77.25	The cor.of secs.7-8-17 and 18. Land, mountainous and rolling. Soil, rocky, 3rd. and 4th. rate. Timber, cedar and pinon. Mountainous land on 49.00 chs.

N.0°03'W., bet.secs.7 and 8.

	Ascend over rolling and rocky land along east slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 7 on W. half, and S 8' on E. half, dig pits, 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor.of secs.5-6-7 and 8, marked on brass cap T 32 S S 6 in NW., R 14 W S 5 in NE., S 8 in SE., and S 7 in SW.quadrant, from which

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

A lone cedar, 7 ins. diam., bears N.74°15'W., 43 lks. dist.
marked T 32 S R 14 W S 6 BT.

No other trees within limits and raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd. rate.

No timber.

S.89°50'E., on a random line, bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.82 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
4-5-8 and 9.

Thence I run

N.89°54'W., on a true line,
Bet. secs. 5 and 8.

Over level land, through sparse undergrowth.

39.91 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 on N. half, and
S 8 on S. half, dig pits, 18x18x12 ins., E. and W. of post,
3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, N. of cor.

43.70 Old Pioche road bears NE. and SW.

Leave level land, begin ascent over rolling and rocky
land.

79.82 The cor. of secs. 5-6-7 and 8.

Land level and rolling.

Soil, sandy loam, 1st. rate on 43.70 chs.

balance, rocky, 3rd. rate.

No timber.

Undergrowth, greasewood, shad scale and sage brush.

CHAINS

N.29°52'W., on a random line, bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.16 Intersect W.bdy. of Tp., 9 lks.N. of the re-established cor. of secs. 1-6-7 and 12, heretofore described.

Thence I run

S.89°56'E., on a true line,

Bet. secs. 6 and 7.

Descend abruptly over rocky and mountainous land, through scattering timber.

7.00 Hollow, 150 ft. deep, course SW.

Abrupt ascent.

12.00 Rocky ridge, bears NE. and SW.

Abrupt descent.

37.00 Hollow, 200 ft. below top of ridge, course SE.

Ascend along steep, south slope.

37.16 Set an iron post, 3 ft. long, 1 in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 on N.half, and S 7 on S.half, from which

A cedar, 5 ins. diam., bears N.31°W., 55 lks.dist., marked $\frac{1}{4}$ S 6 BT.

A pinon, 5 ins. diam., bears S.28°E., 95 lks.dist., marked $\frac{1}{4}$ S 7 BT.

45.00 Rocky spur, projects SE.

Abrupt descent.

56.00 Hollow, 150 ft. deep, course SE.

Ascend.

62.00 Rocky spur, projects S.

Abrupt descent.

Leave timber.

68.00 Leave mountainous land, bears NE. and SW.

Descend over rolling land.

77.16 The com.of secs. 5-6-7 and 8.

SUBDIVISIONS OF T.32 S., R.14 W.

CHAINS

Land, mountainous and rolling.

Soil, rocky, 3rd. and 4th. rate.

Timber, cedar and pinon.

Mountainous land on 68.00 chs.

Knowing from previous closings that the line bet. secs.

5 and 6 will not close within limits on the N.bdy. of the
Tp., therefore I run

N.0°03'W., on a true line, bet. secs. 5 and 6.

Ascend over rolling and rocky land, along east slope.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground
for $\frac{1}{4}$ sec.cor. marked on brass cap, $\frac{1}{4}$ S 6 on W.half, and
S 5 on E.half, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$
ft. high, W.of cor.

Pits impracticable.

57.00 Enter scattering timber.

62.00 Leave timber.

78.69 Intersect N.bdy. of Tp., 154 lks. N.89°48'W., from the
re-established cor. of secs. 5-6-31 and 32, heretofore
described.

Set an iron post, 3 ft. long, 2 ins. dia., in mound of stone
and earth, for closing cor. of secs. 5 and 6, marked on brass
cap T 32 S R 14 W S 31 CC S 32 on N.half, and
S 5 S 6 on S.half,

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S.of cor.

Pits impracticable.

On account of natural obstacles it is impossible to set
this post over 15 ins. in the ground.

I destroy all marks on the cor. of secs. 5-6-31 and 32,
that pertain to T.32 S.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

GENERAL DESCRIPTION OF T.32 S., R.14 W.

This township is situated in Escalante Valley, and the soil is sandy in the eastern portion, loam in the central and northern portions and rocky in the northwest portion, and is generally covered with a sparse growth of desert brush.

The only portion mountainous is parts of secs. 6-7-18 and 19 which is rocky broken by hollow, and covered with scattering growth of cedar and pinon timber.

The balance of township is agricultural land and crops can be raised with irrigation

The town of Lund on the San Pedro Los Angeles and Salt Lake Railroad is located in NW. $\frac{1}{4}$ sec. 21.

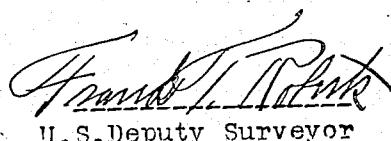
This town consists of a depot and 3 dwellings, population about 10

D.T.Jackson , Mary Marsden and Minnie E.Smith claim land in the vicinity of Lund in secs. 20, 21 and 17 , the only improvements on these secs is a dwelling, stables and corral belonging to D.T.Jackson in the NW. $\frac{1}{4}$ Sec. 21 a field enclosed by a wire fence comprising of about 10 acres on the east side of this dwelling and a field enclosed by a wire fence extending into secs, 20, 21, 28 and 29, comprising of about 85 acres.

The claim of P.K.Dotson could not be located.

The only surface water in this township is Sulphur Spring, a spring of sulphur water in the SE. $\frac{1}{4}$ sec. 18

There are no indications of mineral found in this township and no indications of oil, oil seeps, springs or wells .


Frank T. Clark
U. S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book "Z" ¹⁵, "Chainman."

T. 34 S., R. 12 W. _____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
 _____, United States Deputy Surveyor, in surveying all
 those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for _____

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
 day of _____, 189 _____ }



1., United States Deputy Surveyor; do solemnly swear that, in pursuance of a contract received from United States Surveyor General for, bearing date of the day of, 189 ..., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

15

For final oath of deputy see book "Z" T. 34 S., R. 12 W.

..... of the meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said , and sworn to before me }
this day of , 189 }

OOOOOO
O SEAL O
OOOOOO

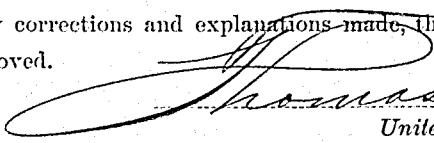
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 21, 1910, xx

The foregoing field notes of the survey of the Subdivisional lines of Township 32 South, Range 14 West of the Salt Lake Base and Meridian, Utah,

executed by Frank T. Roberts
under his contract No. 313 , dated April 5, 1909 , 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


Thomas H. Kee
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

United States Surveyor General.